	Noted in the NID File	
	Location map pinned	
	Approval or Disapproval Letter	
	Date Completed, P. & A. oc operations suspended	
	Pin changed on location map	
	Affidavit and Record of A & P	
	Wafer Shut-Off-Test	
	Gas-Oil Ratio Test	
	Well Log Filed	
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Scout Report sent out

(SUBMIT IN TRIPLICATE)

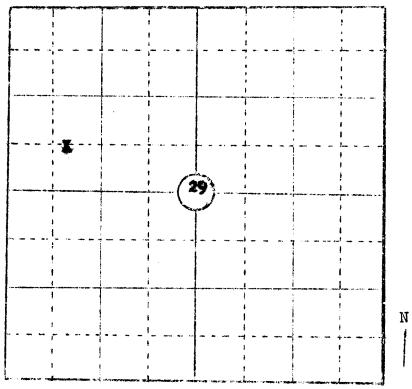
UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Indian Agency	40
14-20-603-40	
Allottee	
Lease No. 70350	

District Superintendent

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County	San Juan		State	บเ	ah	
Location	706' FWL, 2	1036	PNL			
Elevation	4902' Gr.					



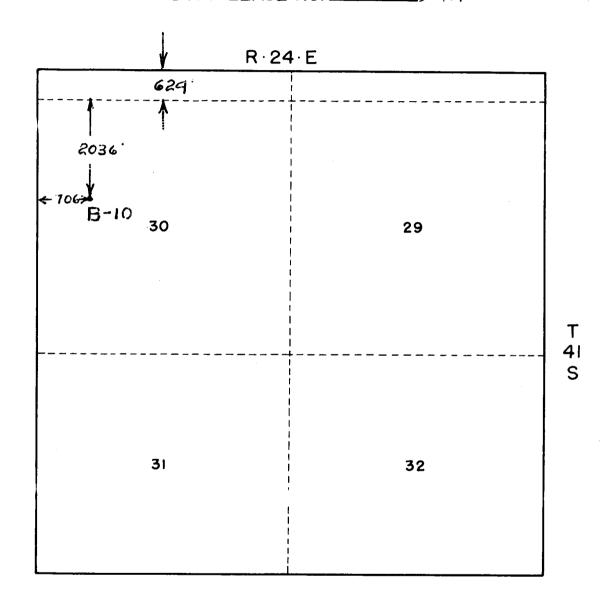
Scale-4 inches equal 1 mile

This is to certify that the above plat was prepared from field notes of school surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Theor Of Il Bury	
Registered Professional Engine	er
and Cand Surveyor Wyoming License No. 425	

April 23 Surveyed

EXHIBIT "A" TO NOTICE OF INTENTION TO DRILL FOR WELL NO. NAVAJO B=10 (CONTINENTAL) INDIAN LEASE NO. 14-20-603-407



T 41 S - R 24 E SAN JUAN COUNTY, UTAH SCALE I"= 2,000'

LEASE BOUNDARY

Continental Oil Company P. O. Box 3312 Durango, Colorado

Attention: Burton Hall, District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo B-10, which is to be located 2036 feet from the north line and 706 feet from the west line of Section 29, Township 41 South, Range 24 East, SLRM, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & CAS CONSERVATION COMMISSION

CLEON B. FEIGHT SECRETARY

CBF:on

cc: Phil McGrath USGS, Farmington, New Mexico Form 9-331 b (April 1952)

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

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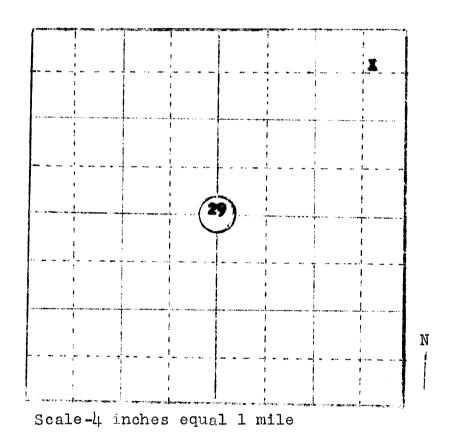
(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

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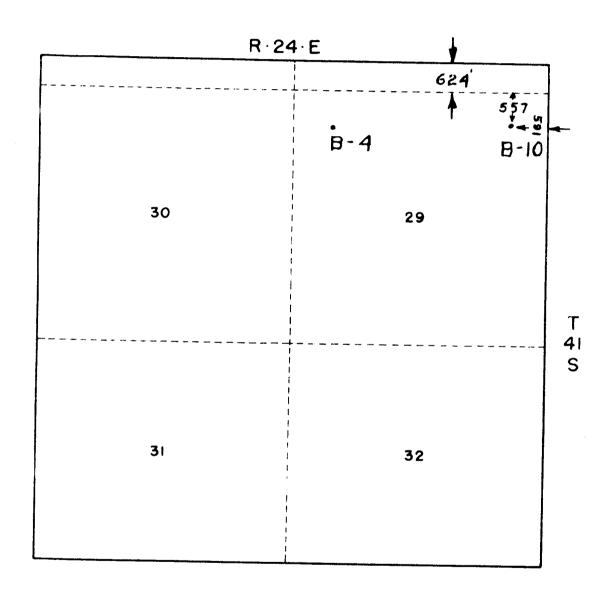
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County 5	in Juan	State	<u> </u>	and the supplementation of the supplementatio
Location _	557' FRL,	591 * FAL	**	
Elevation	5110' CR.	(%st.)		



This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

09G5(4) UTAH OMOSC(2)

EXHIBIT "A" TO NOTICE OF INTENTION TO DRILL FOR WELL NO. NAVAJO B-10 (CONTINENTAL) INDIAN LEASE NO. 14-20-603-407



T 41 S - R 24 E SAN JUAN COUNTY, UTAH SCALE 1"= 2,000'

----- LEASE BOUNDARY

Continental Oil Company P. O. Box 3312 Durango, Colorado

Attention: Burton Hall, District Superintendent

Contlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo B-10, 557 feet from the north line and 591 feet from the east line of Section 29, Township 41 South, Range 24 East, SLEM, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Approval to drill Well No. Navajo B-10, 2036 feet from the north line and 706 feet from the west line of Section 29, Township 41 South, Range 24 East, SLBM, granted in our letter of June 9, 1958, is hereby cancelled.

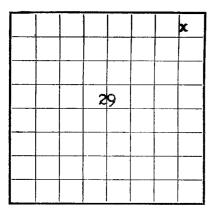
Yours very truly.

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT SUCRETARY

CBF: cn

cc: Phil McGrath
USGS, Farmington,
New Mexico



U. S. LAND OFFICE	-
SERIAL NUMBER	

LEASE OR PERMIT TO PROSPECT Navajo 14-20-603-407 UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

				-		•		o, Colorado
								Utah
Well No.	B-10 8	Sec. 29. 1	r. 415 R	24BM	eridianS.	LeCo	unty San	Juan
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								work done thereon
so iar as	can be det	erminea ir	om all ava:	nadie r	Signed C.	C. Robert	son	
Date	July	30, 19	58		J			uperintendent
		-			tion of the well	at above date.		•
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					(Denote gas by G)			
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				:{}!\$;#:-4 		AS-WELL	is e8004 5 fi	S. GOVERNMEN SET THAT STREET
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Heaving plug-						
Heaving plug-		PLUG	S AND AL	DAPTER	S	
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Adapters-Mat	erial	+	Size			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
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Cable tools were	e used from	feet	t t		and from	feet to
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UNITED STATES

OMIL		, , , , , , , , ,	-
DEPARTMENT	OF	THE	INTERIOR

Indian Agency	DLAVAN
14-20-603	-407
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Allottee	

GEOLOGICAL SURVEY

Conces Lease No. 70350

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT.
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY.
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

	•			.30 , 19 .36 .
Well No. B-10 is local	ated 557 ft.	from N line and	d 591 ft. from E lin	ne of sec. 29
NE/4 Sec. 29	419	24E	S.L.	
(¼ Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)	
White Mesa	San Ju	en County	Utah	
(Field)	(Cour	nty or Subdivision)	(State or Ter	ritory)
		4633	. (Corrected Gr	ound Riew. LB22*

The elevation of the derrick floor above sea level is 4833 ft. (Gerrected Ground Elev. 4822')

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded 6-17-58. Drilled to 5770' T.D. & completed as a flowing well in the Paradex fermation. Ran & cemented 7 jts., 206' 13 3/8" surface casing cemented with 250 sacks regular; 194 jts., 5770' 5 1/2" production casing cemented with 350 sacks regular and 100 cu. ft. perlite. Perforated with 4 jets per ft. 5546'-5604', 5612'-5626' and 5634'-5702'. Landed 2 1/2" tubing at 5707'. Acidised with 750 gals. MCA and 6500 gals. HV retarded acid, 3500 gals. regular acid with 2 stages of 500 gals. TLC-15 plugging agent. IFP 1440 BOPD on 1/2" choke, gravity 42.1 @ 60°. Rig released 7-15-58.

	that this plan of work must receive approval in writing by the Continental Oil Company	
- •	Box 3312	
	Durango, Colorado	By C. E. Robertson
		Title District Superintendent
iAB-ec	U. S. GOVERNMENT PRINTING OFFICE	16—8437b-8

November 30, 1964

Ratherford Unit, San Juan County, Utah - Pressure Maintenance -Expansion of Injection Program

Utah Oil & Gas Conservation Commission 310 Newhouse Building Salt Lake City, Utah

Attention Mr. Cleon B. Feight

Gentlemen:

The Oil and Gas Conservation Commission of the State of Utah by its order entered in Cause 63 dated September 13, 1961, approved Phillips Petroleum Company's application for approval of a pressure maintenance program for the Ratherford Unit. Subsequent approvals have been given for modifications in the injection program as originally submitted, the last such approval was granted on April 13, 1964, relative to Phillips' submittal of April 2, 1964.

Pursuant to Item 3 of the Commission's letter of September 13, 1961, Phillips Petroleum Company respectfully requests that the Commission, or its designated representative, approve the following changes in the pressure maintenance program:

- Convert to injection service wells Nos. 7-21, 7-43, 12-44, 18-21, 20-21, 29-41, 21-23, 16-41, and 15-41. (See attached plat.)
- Attempt to inject 52,000 to 56,000 barrels of water per day 2. to replace about 120% of reservoir voidage on a current basis.

All work for which you have given prior approval has been completed. Nevertheless, existing injection wells will not accept a sufficient volume of water to permit realization of the goal outlined above in Item 2. For this reason, conversion of additional wells to injection service is proposed. No need for other modification of the pressure maintenance program is indicated at this time.

A majority of the Working Interest Owners in the Ratherford Unit have approved this proposal. Your approval is solicited.

Respectfully submitted,

Production Division

JEC : comm Attach.

December 8, 1964

Phillips Petroleum Company Bartlesville, Oklahoma

Attention: Mr. Earl Griffin, Manager Prod. Division

Dear Sir:

The following changes in your pressure maintenance program for the Ratherford Field are hereby approved as per your request.

- 1. Convert to injection service wells nos.7-21, 7-43, 12-44, 18-21, 20-21, 29-41, 21-23, 16-41, and 15-41.
- 2. Attempt to inject 52,000 to 56,000 barrels of water per day to replace about 120% of reservoir voidage on a current basis.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FRIGHT EXECUTIVE DIRECTOR

cbf;kgw



UN ED STATES SUBMIT IN TRIF DEPARTMENT OF THE INTERIOR (Other instruction verse side)

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NAME OF OPERATOR			
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*See Instructions on Reverse Side

TITLE

(This space for Federal or State office use)

APPROVED BY ______ CONDITIONS OF APPROVAL, IF ANY:

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PRACTURE TREAT SHOOT OR ACHDIES SHOOT OR ACHDIES OTHER WELL (Other) OTHER OF RECOMPLETE OF PRATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give substance locations and measured and true vertice depths for all markers and some pertinent to this work.) 4-29-65 through 5-3-65: Pulled rods and tubing, ran correlation log, perforated 54 per 5718-22 and 5730-39 with 2 jet shots per foot. Ran Baker Model "A" Termion packer on 23 tubing, set at 5489. Hooked well up to water injection, started injecting water 4-30-65. Changed well classification from cil Well to Water Injection well and mumber from 29-41 to 25M41 effective 4-30-65. PREVIOUS PRODUCTION: 28 BOPD, 44 MCFGPD, 275 BMPD. PRESENT INJECTION RATE: 1562 BMPD on vacuum. Injecting into Desert Creek Zone of Paradox Formation of Greater Aneth Field. S. I hereby certify that and foregoing is true and correct SIGNED OTHER DESERT INJECTION RATE: 1562 BMPD on vacuum. Injecting into Desert Creek Zone of Paradox Formation of Greater Aneth Field. Title District Superintendent DATE (This space for Federal or State office use)	TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF	REPAIRING WELL
REPAIR WELL (Other) (Centrated congletion on well (Other) (Oth		ALTBRING CASING
(Other) (Ot		
Describe Proposed on Completed or Earlier State all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and some pertinent to this work.)* 4-29-65 through 5-3-65: Pulled rods and tubing, ran correlation log, perforated 52" bars 15718-22 and 5730-39' with 2 jet shots per foot. Ran Baker Model "A" Tension packer on 21" tubing, set at 5489'. Hooked well up to water injection, started injecting water 4-30-65. Changed well classification from cil Well to Water Injection water Injection water mumber from 29-41 to 29W41 effective 4-30-65. PREVIOUS PRODUCTION: 28 BOPD, 44 MCFGPD, 275 BMPD. PRESENT INJECTION RATE: 1562 BWPD on vacuum. Injecting into Desert Creek Zone of Paradox Formation of Greater Aneth Field. Bisher Formation of Greater Aneth Field. C. M. Boles (This space for Federal or State office use) APPROVED BY TITLE DATE	REPAIR WELL CHANGE PLANS (Other) (Note: Report resu	its of multiple completion on Well
4-29-65 through 5-3-65: Pulled rods and tubing, ran correlation log, perforated 5 per 5718-22 and 5730-30' with 2 jet shots per foot. Ran Eaker Model "A" Termion packer on 22" tubing, set at 5489'. Hooked well up to water injection, started injecting water 4-30-65. Changed well classification from Cil Well to Water Injection well and number from 29-41 to 29M41 effective 4-30-65. PREVIOUS PRODUCTION: 28 BOPD, 44 MCFGPD, 275 BMPD. PRESENT INJECTION RATE: 1562 BMPD on vacuum. Injecting into Desert Creek Zone of Paradox Formation of Greater Aneth Field. 3. I hereby certify that MG foregoing is true and correct SIGNED TITLE District Superintendent DATE (This space for Federal or State office use) APPROVED BY TITLE DATE	(Other) Completion or Recor	es, including estimated date of starting any
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TITLE _

APPROVED BY _______ CONDITIONS OF APPROVAL, IF ANY:

Form 9-331 ' ED CTATEC	SHRMITH I ATTUE Form approved.
Form 9-331 ED STATES DEPAR OF THE INTER	Rudget Bureau No. 42-R1424
GEOLOGICAL SURVEY	14-20-603-427
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4833 D.F.	(Corr. Gr. 4822) San Jiber. Utah
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REPAIR WELL CHANGE PLANS (Other)	(Other)
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertine proposed work. If well is directionally drilled, give subsurface loc nent to this work.)* (In March 3, 1966 acidized wall through 2)* 17. Postal Scil, 1000 gallons salt plus at the contract of th	at 2500 gallons 15% replier acid. Enched
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Present Injection Rate: 3246 RaPo at 105#	
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18. I hereby certify that the foregoing is true and correct	
SIGNED TITLE	strict Superintendent DATE 3-10-46
(This space for Federal or State office use)	
APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY:	DATE

PHILLIPS PETROLEUM COMPANY P. O. Drawer 1150 Cortez, Colorado

April 30, 1966

Ratherford Unit Monthly Operating Report -March 1966

Page No. 3

415,285 Le24 Ratherford Unit 24121 (Acid Job)

On March 1, 1966 acidized well through 22" bare tubing and packer with 2500 gallons 15% regular acid, 1000 gallons salt plug, followed with 2500 gallons 15% regular acid. Injectivity increased from 728 BWPD at 525# before the treatment to 3576 BWPD at O# following the treatment.

Ratherford Unit 29141 (Acid Job)

415, 24E, See 29 On March 3, 1966 acidized well through 22" bare tubing and packer with 2500 gallons 15% regular acid, 1000 gallons salt plug, followed with 2500 gallons 15% regular acid. Injecti-

vity increased from 2746 BWPD at 220# before the treatment to 3246 BWPD at 220# following the treatment.

Respectfully submitted,

PHILLIPS PETROLEUM COMPANY

C. M. Boles

District Superintendent

Cm. Boles

HFS: bh Attach. (Dist. List attached)

U. ED STATES

SUBMIT IN TRIP ATE*
(Other instructions on re-

Form approved. Budget Bureau No. 42-R1424.

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	GEOLOGICAL	SURVEY		14-2	0-603-40	7
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Phillips Petro	leum Company				erford U	nit
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- 3 USGS Farmington, N. M. 2 Uteh Old CC Salt Lake City
 - 1 Superior Oil Co. Cortes, Caise Instructions on Reverse Side 1 File.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF FRACTURE TREAT MULTIPLE COMPLETE SHOOT OR ACIDIZE SHOOT OR ACIDIZE REPAIR WELL CHANGE PLANS CHANGE PLANS MULTIPLE COMPLETE SHOOTING OR ACIDIZING ABANDONMENT* (Other) Squeeze Zone 2 and 3 Perfs	MENT NAME 4132 ASE NAME	Have jo 7. UNIT AGREEMENT SW - 1 - 8. FARM OR LEASE Rather fo	ON WELLS uck to a different reservoir.	OTICES AND REPORTS (roposals to drill or to deepen or plug to the proposal of	SUNDRY N
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Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE ABANDON* CHANGE PLANS CHANGE PLANS CHANGE PLANS Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data SUBSEQUENT REPORT OF: WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING ABANDONMENT* (Other) Squeeze Zone 2 and 3 Perfs	n Utah	Sen Juan		P833 DE	
NOTICE OF INTENTION TO: TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF REPAIRING WELL FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT ALTERING CASING SHOOT OR ACIDIZE ABANDON* SHOOTING OR ACIDIZING ABANDONMENT* REPAIR WELL CHANGE PLANS (Other) Squeeze Zone 2 and 3 Perfs			-Aura of Nation Parant or C		Charl
TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF REPAIRING WELL FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT ALTERING CASING SHOOT OR ACIDIZE ABANDON* SHOOTING OR ACIDIZING ABANDONMENT* REPAIR WELL CHANGE PLANS (Other) Squeeze Zone 2 and 3 Perfs.				• • •	
FRACTURE TREAT MULTIPLE COMPLETE SHOOT OR ACIDIZE REPAIR WELL MULTIPLE COMPLETE ALTERING CASING SHOOTING OR ACIDIZING ABANDONMENT* (Other) Squeeze Zone 2 and 3 Perfs,	·	ENT REPORT OF:	SUBSEQ	NTENTION TO:	NOTICE OF 1
SHOOT OR ACIDIZE ABANDON* SHOOTING OR ACIDIZING ABANDONMENT* CHANGE PLANS (Other) Squeeze Zone 2 and 3 Perfs,	AIRING WELL	REPAIRIN	WATER SHUT-OFF	PULL OR ALTER CASING	TEST WATER SHUT-OFF
REPAIR WELL CHANGE PLANS (Other) Squeeze Zone 2 and 3 Perfs,	ERING CASING	ALTERING	FRACTURE TREATMENT	MULTIPLE COMPLETE	FRACTURE TREAT
					SHOOT OR ACIDIZE
(Other) (Note: Report results of multiple completion on Wo	pletion on Well	of multiple completi-	(Note: Report results	CHANGE PLANS	
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and nent to this work.)*					nent to this work.) *

TITLE - Production Superintendent DATE - 6/26/74

DATE .

APPROVED BY ______CONDITIONS OF APPROVAL, IF ANY: 3-USGS, Farmington 3-USGS, Farmington
2-Utah State OSG CC - Salt Lake City
*See Instructions on Reverse Side 1-Superior - Cortez 1-File

TITLE _

(This space for Federal or State onice use)

FII ... REPORT INDIVIDUAL WELL STA'I

	The state of the s		"neaged"		
Lease	Ratherford Unit	Well No.	29W41	Authorization No.	AFE P-955
_	y of Work Performed:				

Plug back to 5630 this plugs off perfs 5634-5702, 5718-5722 and 5730-5739. Desert Creek Zone I and III. Acidized Desert Creek Zone I perfs w/8000 gal. 28% HCl.

	AVERAGE DAILY PROPERTY AND AVERAGE DAILY PROPERTY.	DUCTION Oil	Gas	Water
Before Work	Greater Aneth - Paradox Desert Creek Zone I, II, III	Water Inje	ction 1333 at	1125
After Work	Greater Aneth - Paradox Desert Creek Zone I	Water Inje	ction 690 at	1100
Before Work				
After Work				
DATE	P.T.D.		•	

DAILY REPORT OF WORK PERFORMED

1974 May PATHERFORD UNIT NO. 29M41 PTD 5770. FIRST REPORT. LSE NO. CODE 933028, LOC: SEC. 29, T415, R24E, SAN JUAN CO. UTAH. SUB AREA CODE 626. 5 1/2 IN. CSG AT 5770, PERFS 5546-5739, IN ANETH FIELD, DESERT CREEK RESERVOIR. AN ACTIVE WI WELL. INJECTED 1333 RW AT 1125 PSI DURING MOMTH OF MARCH. PPEP TO SQUEEZE ZONE NO. 2. 5/11/74 MI AND RU R AND R VS 5/11/74. PULLED AND LAYED DOWN TBG FOR INSPECTION. LEFT PKR IN HOLE. RELEASED R AND R VS 5/11/74. NI AND RU R AND R VS CO. 5/17/74. PICKED UP INSPECTED TBG. GIH W/BIT AND SCRAPER. PUSHED BAKER MODEL A PKR FROM 5489 TO 5705. COULD NOT PUSH DEEPER. SDON. 5/19/74 SD OVER SUNDAY. PPEP TO RUN RETAINER AND SQUEEZE ZONE NO. 2..

PATHERFORD UNIT NO. 29441 PTD 5770. COOH W/TBG AND BIT. PAN BAKER MODEL K CMT RETAINER W/ COLLAR LOCATOR ON 2 7/8 IN. TBG. SET RETAINER AT 5630. TEST TBG. TO 4000 PSI, PRESS ANNULUS TO 1000 PSI. PMP INTO ZONE 2 AND 3 PEPFS AT 4 BPM AT 2300 PSI. NO COMMUNICATION. SQUEEZED ZONE NO. 2 AND 3 PEPFS 5634-5702, 5718-22 AND 5730-39 W/225 SX CLASS B CMT W/.6 PERCENT HALAD 9. HOLDING PRESS 3500 PSI. PEVERSED OUT 29 SX CMT. COOH W/ TBG. START IN HOLE W/BAKER NODEL AD PACKER AND TBG. SDON..

PATHERFORD UNIT NO. 29W41 PTD 5770. FINISH RUNNING 2.7/8 IN. TBG. SET BAKER MODEL AD PKR. AT 5490. HOOKED UP FOR INJECTION. TEMP DROP FROM REPORT UNTIL WELL ACIDIZED..

22

1-B'Ville E&P 1-Denver E&P 1-File 1-R.N. Hughes 1-G. R. Hudson

6/26/74

Original Signed By: F. C. MORGAN

District Approval

DAILY REPORT DETAILED

LEASE ____ Ratherford Unit

WELL NO. 29W41

SHEET NO.

TOTAL

DATE
DEPTH
NATURE OF WORK PERFORMED

5630

PATHERFORD UNIT NO. 29M41 DTD 5770. PRED TO STAPT WI, TEMP DROPPED FROM PEPORT 5/22/74. PU DOWELL, ACIDIZED W/8000 GAL 28 PERCENT HCL IN 4 STAGES. PRESS ANNULUS TO 700 PSI, TOOK INJECTION TEST, 3 BPM AT 4000 PSI.

PNPD 2000 GAL ACID 5 BPN 4000 PSI BROKE TO 3800 PSI.

PAPD 4000 GAL SW FLUSH, 6 BPM AT 4000 PSI.

PMPD 400 GAL PLUG, 7-1/2 BPM AT 3800 PSI, 100 PSI INCREASE

WITH PLUG ON FUPMATION.

PEPD 2000 GAL ACID, 8 BPN AT 3700-4000 PSI.

PMPD 4000 GAL SW, 8 BPM AT 4000 PSI.

PMPD 400 GAL PLUG, 8 BPM AT 4000 PSI LOST 1 BPM W/PLUG

ON FORMATION.

PMPD 2000 GAL ACID, 10 BPM AT 4000 PSI.

PMPD 4000 GAL SW, 9 RPM AT 3900 PSI.

PMPD 800 GAL PLUG.

PMPD 2000 GAL ACID, 9 BPM AT 3500 PSI.

PMPD 5500 GAL SW, 9 RPM AT 3700 PSI.

ISIP 2400 PSI, 15 MIN SI PPESS 1725 PSI. PLUGS CONTAINED 3*/GAL POCK SALT, 30*/1000 GAL J-133. ACID CONTAINED 2 GAL PEP 1000 GAL A-170 AMD W-35 AND 50* J-120. WATER CONTAINED 200* J-133. SDON..

PATHERFORD UNIT NO. 29W41 PTD 5770. INJECTING WATER, NO GAUGE... 5630

PATHERFORD UNIT NO. 29W41 PTD 5770. INJECTED 690 BWPD AT 1100 LB. COMPLETED AS WI WELL IN PAPADOX FUPMATION, DESERT CPEFK ZONE I, GPEATER ANETH FIELD, SAN JUAN CO., UTAH. DROP FPOM REPORT..

May

3/

5. LEASE

UNITED STATES DEPARTMENT OF THE INTERIOR

DEPARTMENT OF THE INTERIOR	14-20-603-407
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS	Navajo 7. Unit agreement name
(Do not use this form for proposals to drill or to deepen or plug back to a different	
reservoir. Use Form 9–331–C for such proposals.)	8. FARM OR LEASE NAME
1. oil gas	Ratherford Unit
well well other Water Injection Well	
2. NAME OF OPERATOR	29W41
Phillips Petroleum Company	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	Greater Aneth
P.O. Box 2920, Casper, WY 82602	11. SEC., T., R., M., OR BLK. AND SURVEY OF
 LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 	AREA
AT SURFACE: 557' FNL, 591' FEL, NE NE	Sec. 29-T41S-R24E
AT TOP PROD. INTERVAL:	12. COUNTY OR PARISH 13. STATE San Juan Utah
AT TOTAL DEPTH:	14. API NO.
6. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	43-037-16433
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD
PEOUEST FOR APPROVAL TO	4834 RKB
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	
ACTURE TREAT	
SOOT OR ACIDIZE	
REPAIR WELL	(NOTE: Report results of multiple completion or zone
PULL OR ALTER CASING	change on Form 9-330.)
CHANGE ZONES	
ANDON*	
.her)	
including estimated date of starting any proposed work. If well is demeasured and true vertical depths for all markers and zones pertiner It is proposed to repair a casing leak, 5,000 gal. 28% HCL, and return Well #29W41 to APPROVED BY THE DIVISION OF OIL, GAS, AND MINING DATE:	acidize Zone I with
Subsurface Safety Valve: Manu. and Type	pt. DATE May 29, 1980
D. HORIGIARE SIGNED BY	
P. B. HAMMAKER" (This space for Federal or State offi	ce use)
PPROVED BY TITLE TITLE	D)S(C E V 9
	Many
USGS, Farmington, NM Utah O&G CC, Salt Lake City, UT	9 -
	1111 0 7000
Southland Royalty, Farmington NM	JUN 2 1980
Southland Royalty, Farmington, NM T. M. Isaacs *See Instructions on Reverse S	JUN & 1900
Southland Royalty, Farmington, NM T. M. Isaacs File	JUN 2 1900 ide DIVISION OF

OIL, GAS & MINING

UNITED STATES

UNITED STATES	5. LEASE 25 2 3 3 3 3
DEPARTMENT OF THE INTERIOR	14-20-603-407
GEOLOGICAL SURVEY	6. IF INDIAN, APLOPITE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir, Use Form 9–331–C for such proposals.)	7. UNIT AGREEMENT NAME
	8. FARM OR LEASE NAME Ratherford Unit
1. oil gas well other Water Injector	9. WELL NO. 29W41
2. NAME OF OPERATOR Phillips Petroleum Company	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR P.O. Box 2920, Casper, WY 82602	Greater Ageth
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	11. SEC., T., R., M. DR BLK. AND SURVEY (
below.) AT SURFACE: 557' FML & 591' FEL	Sec. 29-T413-R24E
AT TOP PROD. INTERVAL:	12. COUNTY ORPARTSH 13 STAFE San Juan 68 Utah
AT TOTAL DEPTH:	14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	43-037-16433
DECUEST FOR APPROVAL TO	15. ELEVATIONS (SHOW DF, KDB, AND WI
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF	(NOTE: Report results of multiple completion or zo change on Form 9–330.)
CHANGE ZONES	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is di measured and true vertical depths for all markers and zones pertinent June 18, 1980 through August 11, 1980 - SEE ATTACHED FOR COMPLETE DETAILS	lirectionally drilled, give subsurface locations arnt to this work.)*
Subsurface Safety Valve: Manu. and Type	\$ 9 3 9 1 2 1 1 1 1
18. I hereby certify that the foregoing is true and correct	
SIGNED D. J. Fisher TITLE Operations Sur	Pt. DATE August 27, 1980
(This space for Federal or State office	ice use)

APPROVED BY

C3NDITUSGS, FERNITHGEON: NM
2 - Utah O&G CC, Salt Lake City, UT
1 - Superior, Conroe, TX
4 - File

_____ TITLE ___

1-B'Ville	
1-Denver	

1980

l-Isaacs l-File

FIN REPORT INDIVIDUAL WELL STAT

*	Lease	Ratherford	Unit	Well No	20_W_41	Authorization N	io P. 2271.
	Summary of W	ork Performed:			29-W-41	Nutriorization is	1-3374
	June 18,	1980 through	h August 11, 1	.980 –			
	Repaired	csg leak.	Acidized w/500	00 gal 28%	HCL. Returne	d to Water Inj	ection.
							,
		Fie	AVERAGE D eld and Formation	AILY PRODU	CTION Oil	Gas	Water
			Paradox-				
•	Before Work	Greater An	<u>eth - Creek-Zo</u> -Paradox		Injecting	188 BWPD at 27	00 <u>psi</u>
	After Work	Greater And	eth - Creek-Zo		Injecting	2 <u>69 BWPD at 2</u> 6	00 psi
	Before Work			 -			
	After Work						
	DATE	P.T.D.		· · · · · · · · · · · · · · · · · · ·			
1980	DAILY REPO	ORT OF WORK F	ERFORMED				
June	iA	HERFORD U	NIT NO. 29V4	1 PBTD 5	630. INITIA	L REPORT. RU	R AND
) 19	_ r WS t	JNIT 6/18/8	30. STRAP 00	ヨ ミノエデビー	AND PRE. ST.	ARY GIM W/5-	179 15
, .		FAK, ACIDI	E MONE I W/	5000 GAL	28 2700577	ISSUED TO R	EPAIR
	1 V C E U 1	LIUN• LOCA	(IDN - 55 7 頁	T FUL AVI	D -59 1 교기 위험	. SEC. 90-7	7/19=30/15
	[G1]A 1 ∃	or evelle bl	IFID, SAN JU	AN CO., 1	MAH. FLEU.	-4834 ET EVE	- APT
	1.0 • 2.3	7HEEFORD U	S• DETE LASI NIT NO. 29 04	1 MUEUTE 5	D 3/5/80, 1, 630, WIN GT	B8 BwPD AT 2 H WYBIT AND	700 PSI • •
يت	TACCE:	D TOP FILL	5577 FT• RC	J CIRC EG	UIP, ATTEMP	TED TO DRILL	OUT FILL.
, 🗻	MADE	1 FI, BIT .	PLUGGED. STA	ART COOH.	SDON		
	EAT	HERFORD UN	II NO. 2904	1 PBTD 56	330. PREP TO	CLFAN OUT	FILL W/
	251 E82)	- FIN 000H	VZPII ANI	SCHAPER, T	WIH WZPKR, 5 STD CSG TO 4	-1/2
	MOVING	PKE SEVEN	TIMES. CSG	OK. SDOK	5504 FI• I: i• 6/99/80 •	SET PKR 16	I FT HAP TT DVD
11.2	$\supset 1210 1$	500 PEI 15	OMIN, OK CO	OOT W/TOOL	S, INSPECTE	ED WELLHFAD.	FOUND
.~	¥EG HE	AD BAD. WI	H TO RET BP.	• COOH W/	BP, STARIF	GIH W/BAIL	ER. SD FOR
	SUNDAY	• .•					
	A/FAI	LER. CUEAU	NII NO• 29%2 OTT TO 5630	41 PETD 5	630. PREP 1	O GIH WITEG	FINISH GIR
7		INSPECTED	Phaden Heal	D AND TEG	TEAD FLAVO	ES, TEG HEAI	BEADEN Der Ange
2	1 11:321:535	<u> </u>	CEASSEABLE -	·ELLHEAD.	SDOM••		
	ī,A	THERFORD U	MIT NO. 29:4	1 PRTD 5	630. WD TEC	HEAD. BIH V	179 JIS
2	→ 2=3/8	-1 \vee -1 \cup \cup \cup	SOLINED TECH	AND 6 JE	S 2-7/8 IV	TRG. TAGGER	$\pi \cap \pi \cap \pi \cap \pi$
1		HI 3029 FI 0 6 JTS 2-1	, U BND U BU 7/8 ta TDC:	ULE GRETT.	NG SCALE AV	D CEMENT RET D. RELEASED	TUENS,
	0'37_E	AND A WS	UNIT AT 4 PM	.10.46 156 E 6/24/80	1 N WELLEREE	Us AELERSED	AND MOVED
			NO. 29 W41 }			^ D -	
-	27 BATHE	EFORD UNIT	NO . 29741 F	PRID 5630	WO THE HE	AD.	
28	-30 RATHE	RFORD UNIT	NO - 29 9//1 1	JETH ECOC	***		
Juli	. PARTARA	RING GROUP	NO• 29341 -	PERT BACC			
	A RATHER	FORD UNIT	NO. 29841 P	B1D 5630.	WO THE HE	₽13••- ΔΤ) _{α α}	
	1 0.6 1.0 0.0	TIP OTED OWNER			• WO 1756 HE	αm_{\star}	
	Λ EATH	HEMFORD UNI	IT NO. 29W41	PBID 560	30. WO TEG	HEAD. TEMPOR	ARILY DROP
Li.	N EBON DE	EPORI PENDI	ING INSTALLA	TION		MI	
V \			August 2	7, 1980	. <u></u>	Wall	norough

DAILY REPORT DETAILED

LEASE	RATHERFORD	UNIT	WELL NO.	20_17_/.1	SHEET NO.	•
				47-W-41		•)

TOTAL

1980 DATE DEPTH

NATURE OF WORK PERFORMED

HATHERFORD UNIT NO. 29W41 PETD 5630. PU FRO4 TEMPORARILY DROPPED 7/7/80. PREPARING TO ACIDIZE. COOH W/2-3/8 IN TPG. CHCD TEGHEAD. START GIR W/5-1/2 IN BAKER PKA, 2-3/8 IN TPG. SDOV..

CHATHERFORD UNIT NO. 29W41 PRID 5630. PHEP TO RESUME INJECTION. FING GIH W/2-3/8 IN TEG. DISPL HOLE W/INHIE FLUID. SET PAR 5461 FT, TAILPIPE 5471 FT. RU HOWCO. TSTD SURF CONN 3500 PSI, TSTD CSC 1000 PSI, HOLD FOR BACKUP. HOUCO PMPD 5000 CAL 28 PERCENT HCL PLUS 20 CAL/1000 FE 1-A PLUS 4 CAL/1000 HAI-50 IN 5 STAGES W/ROCK SALT FOR DIVERSION. INITIAL BATE 3 EPA AT 2000 PSI, FINAL 2-1/4 BPM AT 2400 PSI. ISIP 1700 PSI, 5 MIN 1500 PSI, 10 MIN 1400 PSI, 15 MIN 1300 PSI. PUMP IN TEST OF 2 BPM AT 1750 PSI, 2-1/2 BPM AT 2000 PSI, 2-3/4 BPM AT 2250 PSI, 3 BP4 AT 2300 PSI. ED HOWCO. HD WS. RELEASED WS UNIT AT 6/00 PM, 7/15/80..

RATHERFOAD UNIT NO. 29W41 PBTD 5630. NO REPAIR KIT FOR DAMAGED DUULINE TRE LINER..

MATHERFORD UNIT NO. 29741 PETD 5630. TO 186 METAIR KIT.

AAAHEMEGED UNIT NO. 29841 PEID 5630. PREPARING TO INSTALL TEC MEPAIR KIT..

PATHERFOLD UNIT NO. 29041 PETD 5630. TEMPULARILY DRUG FROM TEPPOLT UNTIL INSECTION TEST IS OBTAINED..

RATHERFORD UNIT NO. 29W41 PBTD 5630. PU FROM TEMPORARILY DROPPED 7/22/80 WO TEST. FINAL REPORT SUMMARY. RETURNED TO A WATER INJECTION WELL FROM DESERT CREEK ZONE I PERFS 5546-5626 FT OA, PARADOX FORMATION, GREATER ANETH FIELD, SAN JUAN CO.; UTAH, INJECTING 269 BWPD AT 2600 PSI. SUB AREA CODE 26. API NO. 43-037-16433. FINAL REPORT..

Form 911 1-69 Printed in U.S.A.

STATE OF UTAH DIVISION OF OIL, GAS, AND MINING **ROOM 4241 STATE OFFICE BUILDING** SALT LAKE CITY, UTAH 84114 (801) 533-5771

FORM NO. DOGM-UIC-1 (Revised 1982)

(RULE I-5 & RULE I-4)

IN THE MATTER OF THE APPLICATION PHILLIPS PETROLEUM COMPAN	
ADDRESS P.O. BOX 2920	
CASPER, WYOMING	ZIP <u>82602</u>
INDIVIDUAL PARTNERSHIP X CO	ORPORATION
FOR ADMINISTRATIVE APPROVAL TO	O DISPOSE OR
INJECT FLUID INTO THE 29W41 SEC. 29 TWP. 41S	WELL
SEC. 29 TWP. 41S	RANGE
SAN JUAN	COUNTY, UTAH

ENHANCED RECOVERY INJ. WELL	Ø
DISPOSAL WELL	Ē
LP GAS STORAGE	Ē
EXISTING WELL (RULE 1-4)	Ž

CAUSE NO. _

C-3(B)



APPLICATION

- Comes now the applicant and shows the Corporation Commission the following:

 1. That Rule I-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.

 2. That the applicant submits the following information.

Ratherford Unit	Well No. 29W41	Field Greate	r Aneth	County San Juan		
tocation of Enhanced Recovery Injection or Disposal Well 29W41	Sec29		wp. 41S	Rge. 24E		
Now Well To Be Drilled Yes 🗀 No 🗓	Old Well To Be Converte Yes D No	~ · ·	Casing Test Yes	No □ Date 4-19-83		
Depth-Base Lowest Known Wingate Fresh Water Within ½ Mile 1550!	Does Injection Zone Con Oil-Gas-Fresh Water Wit		NO 🗆	State What Oil & Gas		
Location of Desert Creek Paradox I & II Goologic Name(s) Desert Creek (5567') Injection Source(s) San Juan River (Surface)						
Geologic Name of Desert Creek I Depth of Injection Interval 5546 to 5626						
a. Top of the Perforated Interval: 554	6 b. Base of Fresh W	ater: c.	intervening Thick	ness (a minus b) 3996		
Is the intervening thickness sufficient to without additional data?	show fresh water will be pr YE	otect ed NO	See	Attachment #4		
Lithology of Intervening Zones	See Attachment #	,				
Injection Rates and Pressures	Maximum263	(12-82)		B/D PSI		
The Names and Addresses of Those to V	Yhom Notice of Application S	hould be Sent.				
Navajo Tribe, Minerals	Dept., P.O. Box	46, Window	Rock, AZ	86515		
Superior Oil, P.O. Box		nds, TX 77:	380			
Texaco Inc., P.O. Box 2	100, Denver, CO	80201				
Southland Royalty, 1000	Fort Worth Club	Tower, Fort	t Worth, T	X 76102		
Wyoming	· ·	PHILLIPS	PETROLEU	M COMPANY		
Natrona			Арр	licant		
Before me, the undersigned nown to me to be the person whath states, that he is duly auth herein, and that said report is tr	nose name is subscribed orized to make the abo we and correct.	to the above in ove report and	strument, wh that he has k	io being by me duly sworn on		
Suscribed and sworn to be County of SEAL Natrona	Son Notany Public 15th	_()	enold L.	B3_ Judoo		
My commission expision Ex	xpires Nov. 3, 1986	Notary I	Public in and	for <u>Natrona Co., Wyomi</u> n		

- 1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitive analysis of the injection formation of water.
- 2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
- 3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
 - 4. Attach Electric or Radioactivity Log of Subject well (if released).
- 5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
- 6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
- 7. The Division is required to send notice of application to he surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehole within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
- 8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
- 9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
- 10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
 - 11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
- 12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STRIN	G SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMEN T	TOP DETERMINED BY
Surface	13-3/8	206	250	Surface	Returns
Intermediate None	<u>\</u>				·
Production .	5-1/2	5770	350+ 100 cu ft	4010'	Calculation
Tubing	2-3/8	5461	Baker Pkr.	Type - Depth of	Tubing Packer 5461
PB Total Depth 5630	Geologic Name - Inj. Desert Creek I	Zone De	pth - Top of Inj. Inter 5546		- Base of Inj. Interval 5626

USE BLACK INK ONLY

ACIDIZED?

FRACTURE TREATED?

ORM DOGM-UIC-2 Rule I-5 (b) 2					TYPE OR
Rovised 1982) (To	be filed w	rithin 30 da	ys after drilling is comple	14-20-	603- 40
	X CC	OF NATUR VISION OF OR ROOM 4241 S Salt Lake 1 DUNTY SALT DUNTY SAL	AL RESOURCES AND EN L GAS, AND MINING POTE Office Building City, Utoh 84114 1 Juansec. 29 The Frating Phillips Person State STATE THE G-17 19 58 DRILLIP PRODUCTION 7:15-58 NE N	ERGY AP. 41S Etroleum C ZIP Wyomin LL NO. 291 NG FINISHED 7 COMPLETED	RGE. 241 ompany g 82602 W41 -13 19 58 7-15-58
TYPE COMPLETION Single Zone Multiple Zone Comingled OCATION EXCEPTION					
		OIL OR	GAS ZONES		
Name	From	To	Name	From	To
Desert Creek I	5546	5626			
Deser Creek II	5634	5702	(Squeezed)		-

Name	From	Te	Name	From	To
Desert Creek I	5546	5626			
Deser Creek II		5702	(Squeezed)		

CASING & CEMENT

Casing Set			Csg. Test	Cement			
Size	Wg1.	Grade	Feet	Psi	Sax	Fillup	Тор
13-3/8 5-1/2	48	H-40	206'	no test	250		surface
5-1/2	14	J - 55	5770'	no test	350	+ 2936	4010
					100	cu ft.	
				,			
		1	<u> </u>	يا السينيات			<u> </u>

PRTD 563	630		TOTAL DEPTH5770								
DEPTH	n Bak	er			Pkr	@	54	61			

NOTE THIS FORM MUST ALSO BE ATTACHED WHEN FILING PLUGGING FORM DOGM-UIC-6

	•	<u> </u>	
FORMATION Des	ert CreekI		
SPACING & SPACING	40 acre #C-3(B)		
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Enhanced Recovery		
PERFORATED	5546-5604		
	5612-5626		
INTERVALS			
ACIDITEDA	8-10-80		

5000 gal 28%

HC1 Acid

. No

COMPLETION & TEST DATA BY PRODUCING FORMATION

INITIAL TEST DATA	Converted	to	Injector	5-3-6	5	
Date	4-30-65	-				
Oil, bbl./day				··		·
Oil Gravity						
Gas, Cu. Ft./day		CF		C#	•	ď
Gas-Oil Ratio Cu. Ft./Bbi.					:	
Water-Bbl./day	1562				•	
Pumping or Howing						
CHOKE SIZE					i	•
FLOW TUBING PRESSURE	vacuum				١.	

A record of the formations drilled through, and partinent remarks are presented on the reverse. (use reverse side)

according to the records of this office and to the best of my knowledge and belief.
Mark Association of the Contract of the Contra
Telephone 307-237-3791 A.E. Stuart; Area Manag
No. 1/21.1

Name and title of representative of company

Subscribed and sworn before me this.

Casper

LOCATION: NENE Sec 29.	7415-R24E	-	51.3.65
" FIELD: GDEATER ANE !		V : COMPLETION: PRESENT STATUS:	111 T.
RESERVOIR: Desert Cre	ek I		
PKB 4834'	KILLIS	SURFACE CASING: 133	8" 48#
GL 4812'	33	H-40	
206' PERFORATIONS: 5346-3604		PRODUCTION CASING:	5½" 14#
5612-5626			•
		PACKER: Baker P Tubing: 23/8"@54	
		,	
		-	•
<u>5461</u>			
		<u>5546' - 5626'</u>	
			•
PBTD: 5630'		RatherfordUnit	
57	70'	Well # 29W41	
		Phillips Petroleum (Company
	[-1.50]		

	A - 23 - E	A-84-E		1
	• +	• •		
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	⊙ ⊕ •	•		
n .		•		
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26	+	· · · · · · · · · ·	• • • • • • • • sw	HERFORD UNIT JUAN COUNTY, UTAN 1 = 11+
•-		·	+ • • • • • • • • • • • • • • • • • • •	oil producer
38	36		†*	water supply domestic water plugged & shandoned shut in well
		R-24-E		unic boundry

•

CL1-12A (REV. 1964)

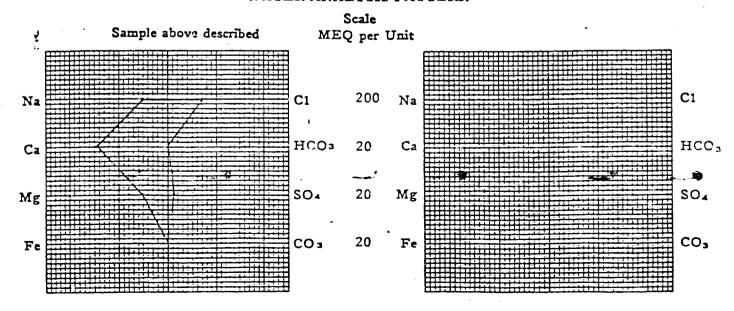
CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794 Casper, Wyoming

WATER ANALYSIS REPORT

OPERATOR Phillips Petroleum Co. WELL NO Rutherford Unit			DATE						
COUNTY San	114 a L			INTERVAL SAMPLE FROM					
REMARKS & CONCI	Oil a Alumi Iron	num (A1), mg (Fe), mg/l	068°F g/1 /1 g/i		2.5 0.90 0.3				
Cations	mg/l	meq/1	Anions		mg/1	meq/1			
Sodium	- 24574 - 396 5982	1068.99 10.14 298.50 116.64	Sulfate	· · · · =	1190 52000 0 190	24.75 1466.40 0.00 3.12			
Total dissolved solids,		85655 86344	Specific resistance	Total Anions		1494.27			
NaC1 equivalent, mg/1 Observed pH		86344 7.4	Observed Calculate	i	0.095 0.086	_ ohm-meter _ ohm-meter			

WATER ANALYSIS PATTERN



CL1-12A (REV. 1964) .

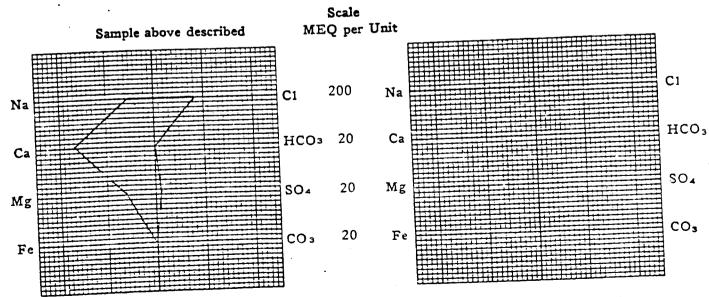
CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794 Casper, Wyoming

WATER ANALYSIS REPORT

	**,					1470676
Ph	illips Petroleum Con	mpany	DATE	7-22-83	LAB NO.	W3U030
PERATUR PA	therford Unit		LOCATION			
	CHC1101		FORMATION			
FIELDS	in Juan		INTERVAL	Pottom: #1	Free wat	er knockout
JUUNI I	ah		SAMPLE FROM_	(7-5-83) ©	10:35	
STATEU	.ali			S/N 28568	: 10.55	
REMARKS & CO	ONCLUSIONS					
						
				<u></u> _		
			Anions		mg/1	meq/1
Cations	mg/1	meq/1	Amous	•	1380	28.70
·	30147	1311.38	Sulfate		63000	1776.60
Sodium - · ·	429	10.98	Chloride		0	0.00
Potzssium -			Carbonate -	· · · · —	151	2.48
Lithium	6865	342.56	Bicarbonate -			
Calcium	1738	124.86	Hydroxide -	· · · · ·		
Magnesium -			Hydrogen sulfid	le —		
Iron				_		1807.78
	Total Cations	1807.78		Total Anions		
		103633	Specific resistan	ce @ 68°F.:	0.087	
Total dissolved	solids, mg/1	104549	Observ		0.037	ohm-meters
	t, mg/1	7.3	Calcula	ted ·	0.078	ohm-meters
Observed pH			•			

WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and LI)

NOTE: Mg/1=Milligrams per liter Meq/1= Milligram equivalents per liter

Sodium chloride equivalent=by Dunlap & Hawthorne calculation from components

UTAH DIVISION OF OIL, GAS AND MINING CASING-BRADENHEAD TEST

OPERATOR: P	rillips	s Pet	role	um C	ompany	
					Ratherford	Unit
WELL #	29 W	141		_sec <i>29</i>	TOWNSHIP 4/5 RAI	NGE 24 E
					JW MAX. INJ. PRI	
TEST DATE						,
CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
SURFACE	133/8	206	250			
INTERMEDIATE	None				•	
PRODUCTION	51/2	<u>5770</u>	100 ft ³	<u>*</u> 8	gas blow	0K
TUBING	23/8 Bake	5461 r Pkr 6	 1+ 54			
CASING STRING SURFACE	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
INTERMEDIATE		-			,	
PRODUCTION						
TUBING	<u> </u>					
CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
SURFACE						
INTERMEDIATE						
PRODUCTION						
TUBING						

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Phillips	Well No. Ratherford Unit 29w 41
County: Son June T 415 R 24	E Sec. 29 API 43-037-16423
New Well Conversion Disposal	Well Enhanced Recovery Well
	YES NO
UIC Forms Completed	
Plat including Surface Owners. and wells of available record	Leaseholders,
Schematic Diagram	<u> </u>
Fracture Information	
Pressure and Rate Control	
Adequate Geologic Information	
Fluid Source	Desitrut
Analysis of Injection Fluid	Yes No TDS 85655
Analysis of Water in Formation to be injected into	Yes No TDS / 03 62 2
Known USDW in area	Un gate Depth 1530
Number of wells in area of revi	ew 9 Prod. 5 P&A 0
	Water O Inj.
Aquifer Exemption	Yes NA
# Mechanical Integrity Test	Yes No
•••	DateType
Comments: 10C 4010	
	•
	. N
Reviewed by:	

Form 3160-5
(November 1983)
(Formerly 9-331)

16.

DFPART

	BUBMIT	IN	TRIPLI	CA'	
_	(Other II	astr	vetions	^-	-
×	verme mide)			

Budget	Bureau No.	1004-013
Expires	August 31,	1985

Buager	Dureau	MO.	1004-	0135
Expire	August	31,	1985	
LEASE DES	IGNATION	AND	BERIAL	NO.

UNIT	ED S	TATE	. S	Other instructions		<u></u>	E
MEN'	٧,	HE	INTERIOR	(Other Instructions verse side)	•	5.	LEAS

BUREAL	U OF LAND MANAGEMENT	14-20-603-407
SUNDRY NOTE	CES AND REPORTS ON WELLS als to drill or to deepen or plug back to a different reservo TION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME ir. Navajo
Um "APPLICA	TION FOR PERMIT—" for such proposals.)	7. UNIT AGREEMENT NAME
OIL CAB OTHER	Water Injection Well	SW-I-4192
. NAME OF OPERATOR		S. FARM OR LEADE NAME
Phillips Oil Company		Ratherford Unit -
ADDRESS OF OPERATOR		9. WELL NO.
P.O. Box 2920, Casper,	WY 82602	29W41
LOCATION OF WELL (Report location cl	early and in accordance with any State requirements.	10. FIELD AND POOL, OR WILDCAT
See also space 17 below.) At surface		Greater Aneth
557' FNL & 591 FEL		11. SBC., T., B., M., OR BLK. AMD SURVBY OR ARBA
		Sec. 29-T41S-R24E
4. PERMIT NO.	15. BLEVATIONS (Show whether DF, BT, GR, etc.)	12. COUNTY OR PARISH 18. STATE
APT #43-037-16433	4834' RKB	San Juan Utah

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOT	ICE O	FINTENTION TO:		BUBBRQUERT MEFUET OF:	
TEBT WATER SHUT-OFF		PULL OR ALTER CASING		WATER SHUT-OFF REPAIRING WELL	
PRACTURE TREAT		NULTIPLE COMPLETE	_	FRACTURE TREATMENT ALTERING CASING 4BOOTING OR ACIDISING ABANDONMENT®	-
SHOOT OR ACIDIES	X.	ABANDON*	I	AHOOMA OF SCHOOL STATE S	
REPAIR WELL		CHANGE PLANE		(Other) (Note: Report results of multiple completion on We Completion or Recompletion Report and Log form.)	
(Other)		•	L	Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and sones pertinent to this work.)*

It is proposed to acidize Ratherford Unit #29W41 with 9,000 gals. 28% HCL. The well is currently injecting into Zone I perforations 5546'-5604' and 5612'-5626'. A 10'x8'x6' pit will be required on location during the workover. The pit will be dried and recovered upon completion.

5-BLM, Farmington, NM 2-Utah O&G CC, Salt Lake City, Utah 1-P. J. Adamson 1-B. Conner, 318-B-TRW

1-J. R. Weichbrodt

1-C. M. Anderson

1-File

JAN 08 1985

DIVISION UF OIL, GAS & MINING

8. I hereby certify that the foregoing is true and correct	<u> </u>	
SIGNED F. Stuart	TITLE Area Manager	DATE January 3, 1985
(This space for Federal or State office use)		
APPROVED BY	OF UTAH DIVISIO	ON OF The Property of the Prop
Federal approval of this action is required before commencing operations.	OIL, GAG, AND MAN See Institutions on Revenue Side (8)	MINIG 185 Seg-

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5 (November 1983) (Formerly 9-331)	U - ÆD DEPARTMENT OF BUREAU OF LAN	THE INTERI	SUBMIT IN TRIPUICATE OR (Other lastrections on re	Form approved. Budget Bureau No. 1004-013 Expires August 31, 1985 5. LEASE DESIGNATION AND SENIAL NO. 14-20-603-407
(Do not use this	NDRY NOTICES AN FORM FOR PROPERTY OF THE PROPE	ID REPORTS C r to deepen or plug be PERMIT—" for each pro	N WELLS ck to a different reservoir.	Navajo
OIL GAS WELL WELL	OTHER Wate	er Injection W	ell	7. ONIT AGESSMENT NAME SW-I-4192
Phillips Oi	1 Company			S. PARM OR LEASE WAME
3. ADDRESS OF OFERATO				Ratherford Unit
P.O. Box 29	20, Casper, Wyomin	ig 82602		29W41
OLL RISO SPECE II DAI	Report location clearly and in ow.)	accordance with any 8	tate requirements.	10. PIBLE AND POOL, OR WILDCAT
At surface 557	' FNL & 591' FEL			Greater Aneth
				11. SBC., T., B., M., OR BLE. AND SURVEY OR ARMA
14. PERMIT NO.	15. BLEVATIO	OHS (Show whether DF, I	17, ca. etc.)	Sec. 29-T41S-R24E 12. COUNTY OR PARISH 18. STATE
#43-037-164	33 RK	KB 4834'		San Juan Utah
16.	Check Appropriate B	ox To Indicate Na	ture of Notice, Report, or C	When Desc.
1	NOTICE OF INTENTION TO:	1		/mer Liging /BHT EEPORT OF:
TEST WATER SHUT-O	PP PCLL OR ALTER	CINIVO [
PRACTURE TREAT	MULTIPLE COM		WATER SHUT-OFF FRACTURE TREATMENT	REPAIRING WELL
SHOOT OR ACIDIZE	ABANDON*		SHOOTING OR ACIDISING X	ABANDONMENTO
REPAIR WELL	CHANGE PLANS		(Other)	
(Other)			(NOTS: Report results Completion or Recognite	of multiple completion on Well etion Report and Log form.) including estimated date of starting and
	PBTD 5630. Was Set 168 jts 2-3 of 28% HCL acid	hed out loose /8" tbg w/pkr using coarse ls produced w	fill from 5576.ll t at 5458.25'. Acidize & fine rock salt as tr. Returned to injection	ed w/9000 gals divertant.
	5 - BLM, Farming 2 - Utah O&G CC 1 - B. A. Connect 1 - P. J. Adams 1 - File (RC)	, Salt Lake Cor, B'Ville on	ity, UT	
SIGNEDA.	E. Stuart	TITLE		5/10/85
(This space for Federal APPROVED BY LLC CONDITIONS OF APP	eon B teupot	TITLE VIC	Manager	DATE 5/20/85

*See Instructions on Reverse Side

DOWNHOLE SCHEMPTIC

Date: 8/6/87

RATHER FORD UNIT # 29W41

RKB Elev.

GL ELEU.

RKB About GL'

4834 '

4822

12'

Location <u>NE</u> <u>NE</u> <u>sec. 29</u> T415-R24E

WEIL DRID

7/15/58

Well Converted 4 /30/65

CONDUCTOR CSG 0

Surface CSG.

133/10 206

TOC _3,386'CALC.

Tubing 23/8@ 5400' Rice Duoline

PACKER BAKER LOCK-SET PKR
@ 5400

PERFS 5546 - 5604 5612 - 5626

PBTO _ 56301

PRODUCTION Csg.

5/205770 J-55, 14#

All Perfs Zone I unless noted

Form 3160-5 (November 1983) (Formerly 9-331) DEPARTME' OF BUREAU G-LAN	THE INTERIOR	BUBMIT IN TRIPLICATES (Other instructions on reverse side)	Expires August 31, 1985 5. LEASE DESIGNATION AND SESSAL NO.
SUNDRY NOTICES AND LINE TO BE THE SUNDRY NOTICES AND LINE TO BE THE SUNDRY POR PER PER PER PER PER PER PER PER PER PE			6. IF INDIAN, ALLOTTES OR TRIBS NAME
I.	ERMIT— TOP SUCH Propor	M.S.)	SW-I-4192
2. NAME OF OPERATOR	NJECTION & WATE	R SUPPLY WELLS	RATHERFORD UNIT #796004192
PHILLIPS PETROLEUM COMPANY			
152 N. DURBIN, 2ND FLOOR, CASPI	ER, WYOMING 82	601-12-21-21-21-20	VARIOUS (see attached)
 LOCATION OF WELL (Report location cicarly and in a See also space 17 below.) At surface 	ecordance with any Stat	e requirements.	10. PIBLE AND POOL, OR WILDCAT GREATER ANETH
SEE ATTACHED	•	4R 20 1989	11. SBC., T., B., M., OR BLE. AND SURVEY OF ARMA Sections 1 thru 30
14. PERMIT NO. 15. BLEVATIO	we (Show whether he we	ve records va de) uad & lênuMO	12. COUPTY OR PARISE 13. STATE San Juan Utah
16. Check Appropriate Bo	ox To Indicate Natu	re of Notice, Report, or C	
NOTICE OF INTENTION TO:	}	•	DENT REPORT OF:
PEACTURE TREAT PRACTURE TREAT MULTIPLE COMP		WATER SHUT-OFF FRACTURE TREATMENT	ALTERING WELL
BEPAIR WELL CHANGE PLANE (Other)		(Other) CHANGE OF O	WNERSHIP of multiple completion on Well etion Report and Log form.)
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clear proposed work. If well is directionally drilled, a neat to this work.)* This is to advise all the Ratherford Unit, to Phillips Petroleum	. Water Injecti listed on the	on and Water Suppl attached sheet, we	y Wells on re sold
(former Operator - Ph	illips Oil Com	pany)	
			BLM, Farmington, NM Jeah O&G CC, SLC, UT File
8. I hereby certify that the foregoing is true and corre	et		
SIGNED S. H. Oden		ict Superintendent	DATE March 17, 1989
(This space for Federal or State office use) APPROVED BY	TITLE		DATE
CONDITIONS OF APPROVAL, IF ANY:			

*See Instructions on Reverse Side

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

GREAT GI

N0772

P J KONKEL
PHILLIPS PETROLEUM COMPANY
5525 HWY 64 NBU 3004
FARMINGTON NM 87401

AUG 1 6 1993
REPORT PERIOD (MONTH/YEAR)

6 / 93

DIVISION OF

OIL, GAS & MININGMENDED REPORT [(Highlight Changes)

Well Name	Producing	Well	Days		Production Volumes	
API Number Entity Location	Zone	Status	Oper	OIL(BBL)	GAS(MCF)	WATER(BBL)
#21-23 4303713754 06280 415 24E 21	DSCR	POW	29	1374	883	58
#3-44 4303715031 06280 415 24E 3	DSCR	POW	30	111	94	2905
#3-14 4303715124 06280 415 24E 3	DSCR	POW	30	67	23	302
#9-12 4303715126 06280 415 24E 9	DSCR	POW	30	112	654	17363
#9-14 4303715127 06280 415 24E 9	DSCR	POW	30	201	315	<i>4</i> 23
#28-12 4303715336 06280 415 24E 28	PRDX	POW	29	112	47	2428
#29-12 4303715337 06280 415 24E 29	PRDX	POW	29	56	0	672
#29-32 4303715339 06280 41S 24E 29	DSCR	POW	29	1402	287	2224
#29-34 4303715340 06280 415 24E 29	DSCR	Pow	29	75 7	48	0
#30-32 4303715342 06280 415 24E 30	DSCR	POW	29	588	1049	3744
#3-12 4303715620 06280 41S 24E 3	DSCR	POW	30	268	11	363
#9-34 4303715711 06280 415 24E 9	DSCR	POW	30	45	46	9800
#10-12 4303715712 06280 41S 24E 10	DSCR	POW	30	45	23	1088
			TOTALS	5138	3480	41370

COMMENTS: Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the

Ratherford Unit to Mobil Exploration and Producing U.S., Incorporated, P. O. Box

633, Midland, Texas 79702. Mobil assumed operations on July 1, 1993.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 8/11/93

Name and Signature: PAT KONKEL

Pat Konkel

Telephone Number: 505 599-3452

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

AL SUTESSE ALL PROPERTY OF SURVEY OR AREA AL PROPERTY OF SURVEY OR AREA AL PROPERTY OF SURVEY OR AREA AL PROPERTY OF SURVEY OR AREA MI 10. 13. ELEVATIONS (Show variant Df. RT. GR. etc.) Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE ABANDON APPROX. DATE WORK WILL START DATE OF COMPLETED OPERATIONS (Clearly state all pertunent details, and give pertunent dates, including estimated of stating any proposed work. If well it directionally drilled, give subsurface locations and measured and true vertical depths for all markers and pertinent to this work.) * Must be accompanied by a cement verification of the ATTACHED ARE THE INDIVIDUAL WELLS.			·		S. LEASE DESIGNA	TION & SERIAL N
AND THE COMPANY OF THE COMPONENT OF THE ANTONION OF THE CONTROL OF	SUNE (Do not use this	form for proposals to drill	or to deepen or plug ba	ck to a different reservoir.	NAVAJO TRIE	MAL
AME OF OPERATOR ODDRESS OF OPERATOR DORAGES OF OPERATOR OCATION OF PERATOR OTHER DATE DIVISION OF OIL, GAS & MINING Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: TEST WATER SHUT-OFF PULLOR ALTER CASING MULTIPLE COMPLETE OUTHER TRACTURE TRACT MULTIPLE COMPLETE OUTHER ACTIONS OF ACCOUNTS OF ACCOUNTING WATER SHUT-OFF PRACTURE TRACT (Other) OCATION OF ACCOUNTING OF ACCOUNTING WATER SHUT-OFF PRACTURE TRACT (Other) OCATION OF ACCOUNTING OF ACC		7		- X		
P. O. SOX 633 MIDLAND, TX 79702 SEP 1 5 1693 INCOMING OF YELL (Appen lectuon clearly are in recentage with any like recomment. The class made 17 bides.) At surface the made 17 bides.) It is elevations (Show weather Of, RT, GR, sec.) Check Appropriate Box To Indicate Nature of Notice, Report or Other Data SURVEY OR AREA Check Appropriate Box To Indicate Nature of Notice, Report or Other Data SUBSTON TO: TEST WATER SHUT-OFF MULTIFLE COMPLETE OR ALTER CASING MULTIFLE COMPLETE ASSOCIATION OR ACIDIZENCE ACCOMMENSATION OR ACIDIZENCE ACCOMMENSATION OR ACIDIZENCE OF OPERATOR (Other) DATE OF OPERATOR (Other) DATE OF OPERATOR OF SUBSTONATION OR ACIDIZENCE OF OPERATOR (Other) DATE OF COMPLETED OF OPERATORS (Other) DATE OF COMPLETED OF OPERATORS (Other) DATE OF COMPLETED OF OPERATORS (Other) OF COMPLETED OTERATIONS (Clearly tate all pertunent details, and give pertunent dates, including estimated of standing my proposed work. If well it directionally drilled, give subsurface locations and measured and true vertical deputs for all maxices and pertunent to this work.) AS OF JULY1, 1993, MOBIL OIL CORPORATION IS THE OPERATOR OF THE RATHERFORD UNIT. ATTACHED ARE THE INDIVIDUAL WELLS. I Interpression, that the foregoine is true and correct SIGNED William Date TITLE ENV. 8 FEG TECHNICIAN DATE 9-8-93 CThis does for Federa of State Milice use)		OTHER	<u></u>	VINTO STATE		
P. O. BOX 633 MIDLAND, TX 79702 SEP 1 5 1953 LOCATION OF WELL PRAYER DESIGNATIONS OF MALES DIVISION OF OIL, GAS & MINING CREATER ABETH ALL STATE OIL, GAS & MINING Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: TEST WATER SHUT-OFF FRACTURE TREAT SHOOTION OF ACIDITE ABANDON APPROX. DATE MORE WILL STATE DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all persunent details, and dive persunent dates, including estimated of Completion of Natural Substitution of the Secondary of State of Secondary of Second	MOBIL OI	L CORPORATION	_		a[1]	
DIVISION OF WELL (A sour location distrily and an acceleration way State resourtments. DIVISION OF OIL, GAS & MINING DIVISION OF OIL, GAS & MINING Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: TEXT WATER SHUT-OFF PALL OR ALTER CASING HULTIPLE COMPLETE NOTICE OF INTENTION TO: TEXT WATER SHUT-OFF PALL OR ALTER CASING HULTIPLE COMPLETE REPAIR WELL CHANGE FLANS (Other) CHANGE FLANS (Other) CHANGE OF OPPRATION (Note: Report results of mutatiole completes on well (Note: Report of Completes of Presention Report of Present of Results and Completes (Note: Report of Completes on Well (Note: Report of Completes on Well (Note: Re	ADDRESS OF OPERATO	R	ND UV 70700	0.50 4 5 4003	WELL NO.	<u></u>
DIVISION OF OIL, GAS & MINING 11. ELEVATIONS (Shew watched DP, AT. GR. 462.) 12. CONTROL OF SURVEY ON AREA Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: TEST WATER SHUT-OFF POLL OR ALTER CASING MATER SHUT-OFF PRACTURE TREAT MULTIPLE COMPLETE ARANDON SHOOT OR ACIDIZING ARANDONMENT* REPAIR WELL CHANGE PLANS COLORS C					IN SIELD AND BOO	U OR WILDCAT
AT PRESENCE OF COLORS CONTROLL OF ATTEMPT OF ANDODISM'S OF ATTEMPT OF ATTEMPT OF ANDODISM'S OF ATTEMPT OF ANDODISM'S OF ATTEMPT OF ANDODISM'S OF ATTEMPT OF ANDODISM'S OF ATTEMPT OF ATTEMPT OF ANDODISM'S OF ATTEMPT OF ANDODISM'S OF ATTEMPT OF A	See also space 17 below.)				ĺ	•
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STATE OF UTAH /ISION OF OIL, GAS AND MINING

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Sept 29, 1993

To: Lisha Cordova - Utah Mining From: Janice Easley BLM Farmington, NM 505 599-6355

Here is copy of Ratherford Unit Successor aprator.

4 pages including this one.

fle rothered Unit (GC)

PICEIVED BLM

77 FT 27 FTH: 44

Navajo Area Office P. O. Box 1060 Gallup, New Mexico 87305-1060

ARES/543

לצבל ני א ביילו

Mr. G. D. Cox Mobil Exploration and Producing North America, Inc. P. O. Box 633 Midland, Texas 79702

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the Ratherford Unit.

Please note that all other concerned parties will be furnished their copy of the approved document.

Sincerely,

A Jagourno

ACTING Area Director

Enclosure

cc: Bureau of Land Management, Farmington District Office w/enc. TNN, Director, Minerals Department w/enc.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF INDIAN AFFAIRS



DESIGNATION OF OPERATOR

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Ratherford Unit,

AREA OFFICE: Window Rock, Arizona LEASE NO: Attached hereto as Exhibit "A" 070 FARMINGTON, NM

and, pursuant to the terms of the Ratherford Unit Agreement, is resigning as Unit Operator effective July 1, 1993, and hereby designates

NAME: Mobil Exploration and Producing North America Inc., duly elected pursuant to the terms of the Ratherford Unit Agreement,

ADDRESS: P. O. Box 633, Midland, Texas 79702

Attn: G. D. Cox

as Operator and local agent, with full authority to act on behalf of the Ratherford Unit lessees in complying with the terms of all leases and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (described acreage to which this designation is applicable):

Attached hereto as Exhibit "A"

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number 05202782 (attach copy). Evidence of bonding is required prior to the commencement of operations.

It is understood that this designation of operator does not relieve any lessee of responsibility for compliance with the terms of the leases and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the leases.

In case of default on the part of the designated operator, the lessees will make full and prompt compliance with all regulations, lease terms, stipulations, or orders of the Secretary of the Interior or his representative.

Attached is the appropriate documentation relevant to this document.

The designated operator agrees to promptly notify the authorized officer of any change in the operatorship of said Ratherford Unit.

June 17, 1993

Phillips Petroleum Company

Mobil Exploration and Producing

North America Inc.

June // , 1993

Attorney-in-Pact B.D. MARTINY

AREA DIRECTOR

APPROVED PURSUANT, TO SECRETARIAL REDELEGATION ORDER 209 DM 8 AND 230 DM 3.

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

EXHIBIT "A"

ATTACHED TO AND MADE A PART OF DESIGNATION OF SUCCESSOR OPERATOR, RATHERFORD UNIT

EXHIBIT "C"

Revised as of September 29, 1992) SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

Tract Number	Description of Land	Serial Number and Effective Date of Lease	Tract Percentage Participation
1	S/2 Sec. 1, E/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-S, R-23-E, S.L.H. San Juan County, Utah	14-20-603-246-A Oct. 5, 1953	11.0652565
	SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8, T-41-S, R-24-E, San Juan County, Utah	14-20-603-368 Oct. 26, 1953	14.4159942
3	SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah	14-20-603-5446 Sept. 1, 1959	.5763826
4	SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4035 Harch J, 1958	1.2587779
5	SW/4 of Sec. 3, T-41-s, R-24-E, S.L.H., San Juan County, Utah	14-20-603-5445 Sept. 3, 1959	. 4667669
6	NW/4 of Sec. 9, T-41-5, R-24-E, S.L.H., San Juan County, Utah	14-20-603-5045 Feb. 4, 1959	1.0187043
7	NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-5, R-24-E, San Juan County, Utah	14-20-603-4043 Feb. 18, 1958	3.5097575
8	SW/4 Sec. 9, T-41-S, R-24-E, S.L.M. San Juan County, Utah	14-20-603-5046 Feb. 4, 1959	1.1141679
9	SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah	14-20-603-4037 Feb. 14, 1958	2.6186804
10	All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-247-A Oct. 5, 1953	10.3108861
11	Sections 17, 18, 19 and 20, T-41-5, R-24-E, San Juan County Utah	14-20-603-353 Oct. 27, 1953	27.3389265
12	Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-S, R-24-E, San Juan County, Utah	14-20-603-355 Oct. 27, 1953	14.2819339
13 -	W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah	14-20-603-370 Oct. 26,1953	1.8500847
14	N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah	14-20-603-407 Dec. 10, 1953	6.9924969
:5	NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah	14-20-603-409 Dec. 10, 1953	.9416393
16	SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6504 July 11, 1961	. 5750254
17	NE/4 Sec. 3, T-41-5, R-24-E San Juan County, Utah	14-20-0603-6505 July 11, 1961	. 5449292
18	NW/4 Sec. 3, T-41-5, R-24-E San Juan County, Utah	14-20-0603-6506 July 11, 1961	.5482788
19	NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah	14-20-0603-7171 June 11, 1962	.4720628
20	E/2 NW/4 Sec. 4, T-41-S, R-24-E San Juan County, Utah	14-20-0603-7172 June 11, 1962	.0992482

Division of Oil, Gas and Mining PHONE CONVERSATION DOCUMENTATION FORM

I File	 cTwp_	Rng	(Return Date) (To - Initials)	Other OPERATOR CHANGE
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TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Field or Unit name: RATHERFORD UNIT	API no
	ship range county
Effective Date of Transfer:	_
CURRENT OPERATOR	
Transfer approved by:	
	Company Phillips Petroleum Company
Signature & Hasoly	Address _5525 HWY. 64
Title Environmental Engineer	Farmington, NM 87401
Date October 22, 1993	Phone (505) 599-3460
Comments:	
NEW OPERATOR	(
NEW OPERATOR Transfer approved by: Name Shirley Todd	Mobil Exploration & Producing North Amer Company
Transfer approved by: Name Shirley Todd	Mobil Exploration & Producing North Americ Company
Transfer approved by: Shirley Todd	Mobil Exploration & Producing North Americ Company
Transfer approved by: Name Shirley Todd Signature Shuley Sodd Title Env. & Reg. Technician	Mobil Exploration & Producing North Americ Company P 0 Box 633 Address
Transfer approved by: Name Shirley Todd Signature Shuley Sodd Title Env. & Reg. Technician Date October 7, 1993	Mobil Exploration & Producing North Americ Company P 0 Box 633 Address Midland, TX 79702
Transfer approved by: Name Shirley Todd Signature Shuley Sodd Title Env. & Reg. Technician	Mobil Exploration & Producing North Americ Company P 0 Box 633 Address Midland, TX 79702
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Transfer approved by: Name Shirley Todd Signature Shuley Sodd Title Env. & Reg. Technician Date October 7, 1993	Mobil Exploration & Producing North Americ Company P 0 Box 633 Address Midland, TX 79702

Lisha Cordova

(801) 538-5340

BEFORE THE OIL AND GAS COMSERVATION COMMISSION OF THE STATE OF BYAH

APPLICATION OF PHILLIPS FETROLEUM COMPANY FOR THE APPROVAL OF THE CAUSE 110. 53 UNIT OPERATIONS AND PRESSURE MAIN-TEMANCE PROGRAM FOR THE RATHERFORD UNIT IN THE GREATER AMETH AREA, SAN JUAN COUNTY, UTAH

ORDER

This Cause came on for hearing before the Oil and Gas Conservation Commission of the State of Utan at 10 o'clock a. m. on Wednesday, September 13, 1961, in the Crystal Room, Hotel Newhouse, Fourth South at Main Street, Salt Lake City, Utah, pursuant to notice duly and regularly given. The entire commission, except Walter G. Wann, was present, Edward W. Clyde presiding. Appearances were made as follows: Cecil C. Hamilton, attorney, on behalf of Phillips Petroleum Company; Clair H. Senior, attorney, on behalf of Texaco, Inc.; Gordon Mayberry, attorney, on behalf of Continental Oil Company; R. R. Robison on behalf of Shell Oil Company. Others present included Carl Trawick, on behalf of United States Geological Survey; and J. R. White, on behalf of Texaco, Inc.

Evidence in support of the application was introduced by Phillips Petroleum Company, the applicant and Unit Operator of the Ratherford Unit, which embraces as the unit area the following described land in San Juan County, State of Ctah, to wit:

TO NSHIP 41 SOUTH, RANGE 23 EAST, SLEW

Section 1: Section 2: Section 11:	ฝ1 ธ/2 ≘/2	Sections 12 and 13: Section 14: Section 24:	All 3/2 All
<u>T</u>	Ownship 41 South, Rand	3 24 RAST, SLEM	
Section:3:	Sil/4	Sections 15	
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Section 11:	3/2 of 3W/4	Section 23:)7./4 and ./2 of N3/4
Jection 14:	1/2		and $11/2$ of $511/$
33001011 =4.	, -	Section 29 and 30: Section 31: Section 32:	A11 11/2 11/2

R. A. Acbison on behalf of hell Dil Company stated that (as contemplated by paragraph No. 5 of the Commission's order of February 24, 1959, in Cause No. 17 authorizing the drilling of certain test wells) Shell would submit to the Commission, as arbiter, the question as between Shell and Superior Oil Company

of the monetary value, if any, to be attributed to three test wells drilled within the Ratherford Unit area pursuant to said order of February 24, 1959.

No objection to the granting of the application was filed or expressed.

The Shell Oil Company, Texaco, Inc. and Continental Oil Company expressed their support of the application of Phillips Petroleum Company.

FINDINGS OF FACT

The Commission finds that:

- l. The unitized operation of the Ratherford Unit Area will enable pressure maintenance operations to be initiated and permit such Area to be operated in a manner which will prevent waste, protect correlative rights and result in greater ultimate recovery of oil and gas.
- 2. The Ratherford Unit Agreement has been approved by the various signatory parties as fair, reasonable and acceptable.
- 3. The water injection pressure maintenance program proposed by the applicant appears to be proper and designed to result in the greatest economic recovery of oil and gas to the end that all concerned, including the general public, may realize and enjoy the greatest good from the oil and gas resources of the unitized lands.

ORDBR

THEREFORE, IT IS OFDERED BY THE COMMISSION, and subject to its continuing jurisdiction, that:

- 1. Unit operation of the Ratherford Unit Area under the Batherford Unit Agreement is approved.
- 2. The plan and program of water injection pressure maintenance operations proposed by applicant in its application filed herein should be and the same is hereby approved and the unit operator is authorized to proceed with and under such plan and program as soon as the Ratherford Unit Agreement becomes effective and operative.
- 3. If, at any time or from time to time, it appears necessary or desirable to the unit operator to alter or modify the hereby approved plan of pressure maintenance, any such alteration or modification shall be submitted for

and shall be subject to approval by the Commission or its delegated representative, which approval may be given without notice or hearing, unless otherwise ordered or directed by the Commission.

Dated this 13th day of September, 1961.

THE OIL AND GAS CONSERVATION
COMMISSION OF THE STATE OF UTAH

Edward W. Clyde, Commissioner presiding
C. R. Henderson, Chairman

M. V. Hatch, Commissioner

C. S. Thomson, Commissioner

Walter G. Mann, Commissioner

Division of Oil, Gas OPERATOR CHANGE I			<u>_</u>	Routing:
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Hell(s) (attach add	ditional page if needed):	*RATHERFORD UNIT	(OLAVAN)	
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· A		for each well listed		
ر الله على 7. Well file	labels have been up	dated for each well l	isted above. (oé 6 wells	: 10-6-93) (WIW'S 10-26-93
fec 8. Changes h	nave been included on ibution to State Lan	n the monthly "Operat ds and the Tax Commis	tor, Address, and Acc sion. <i>(10-6-43</i> 7	count Changes" memo
fec 9. A folder placed th	has been set up for ere for reference du	the Operator Change ring routing and proc	file, and a copy of essing of the origina	this page has been al documents.

PERATOR	CHANGE WORKSHEET (CONTINUED) Initral each item when completed. Write N/A-A item is not applicable.
HTITY	REVIEH
<u>Le</u> 1.	(Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
N/A 2.	State Lands and the Tax Commission have been notified through normal procedures of entity changes.
30MD ∧	ERIFICATION (Fee wells only)
100/1. NIA	(Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2.	A copy of this form has been placed in the new and former operators' bond files.
_ 3.	The former operator has requested a release of liability from their bond (yes/no) Today's date 19 If yes, division response was made by letter dated 19
LEASE	INTEREST OHNER NOTIFICATION RESPONSIBILITY
1/2-1.	(Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
<i>IJ/</i> ¥ 2.	Copies of documents have been sent to State Lands for changes involving State leases.
FILMIN	IG .
<u>~</u> 1.	All attachments to this form have been microfilmed. Date:
FILING	
Le 1.	Copies of all attachments to this form have been filed in each well file.
<u> 44</u> 2.	The <u>original</u> of this form and the <u>original</u> attachments have been filed in the Operator Change file.
OMMEN	ITS
93	1006 BIA/Blm Approved 7-9-93.

E71/34-35

		43-037-15741	14-20-603-353	SEC. 19, T41S, R24E	NE/NW 660' FNL 1860' FWL	
	19-22	43-037-31046	14-20-603-353	SEC. 19, T41S, R24E	SE/NW 1840' FNL; 1980' FWL	
1		43-037-15742	14-20-603-353	SEC. 19, T41S, R24E	NE/SW 2080' FSL; 1860' FWL	
U		43-037-31047	14-20-603-353	SEC. 19, T41S, R24E	NW/NE 510' FNL; 1980' FEL	
4	19-32	43-037-15743	14-20-603-353	SEC. 19, T41S, R24E	SW/NE 1980' FNL; 1980' FEL	
	19-33 19-34	43-037-31048	14-20-603-353	SEC. 19, T41S, R24E	NW/SE 1980' FSL; 1980' FEL	
4	7	43-037-15744 43-037-15745	14-20-603-353 14-20-603-353	SEC. 19, T41S, R24E SEC. 19, T41S, R24E	SW/SE 660' FSL; 1980' FEL NE/NE 660' FNL; 660' FEL	
	19-42	43-037-19749	14-20-603-353	SEC. 19, T415, R24E	SE/NE 1880' FNL, 660' FEL	
		43-037-16420	14-20-603-353	SEC. 19, T415, R24E	NE/SE 1980' FSL; 760' FEL	
		43-037-31081	14-20-603-353	SEC. 19, T415, R24E	SE/SE 660' FSL; 660' FEL	
1	19-97	43-037-31596	14-20-603-353	SEC. 19, T41S, R24E	2562' FNL, 30' FEL	
	20-11	43-037-31049	14-20-603-353	SEC. 20, T41S, R24E	NW/NW 500' FNL; 660' FWL	
	20-12	43-037-15746	14-20-603-353	SEC. 20, T41S, R24E	1980' FNL, 660' FWL	
a	7	43-037-30917	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2140' FSL, 500' FWL	
	20-14	43-037-15747	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 660' FWL	
4	20W-2T	43-037-16423	14-20-603-353	SEC. 20, T41S, R24E	660' FNL; 1880' FWL	
4	20-22	43-037-30930	14-20-603-353	SEC. 20, T41S, R24E	SE/NW 2020' FNL; 2090' FWL	
Ч	20W-23 *	43-037-15748	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2080; 2120' FWL	
	20-24	43-037-30918	14-20-603-353	SEC. 20, T41S, R24E	SE/SW 820' FSL; 1820' FWL	
	20-31	43-037-31050	14-20-603-353	SEC. 20, T41S, R24E	NW/NE 660' FNL; 1880' FEL	
	20-32	43-037-15749	14-20-603-353	SEC. 20, T41S, R24E	SW/NE 1980' FNL, 1980' FEL	
	20-33	43-037-30931	14-20-603-353	SEC. 20, T41S, R24E	NW/SE 1910' FSL; 2140' FEL	
Ч	20-34	43-037-15750	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 1850' FEL	. 4
Ч	20W-41	43-037-15751	14-20-603-353	SEC. 20, T41S, R24E		- 1
Ч	20-42	43-037-31051 43-037-16424	14-20-603-353	SEC. 20, T41S, R24E	SE/NE 1980 ' FNL; 660' FEL	
	20W-43 7 20-44	43-037-16424	14-20-603-353 14-20-603-353	SEC. 20, T41S, R24E SEC. 20, T41S, R24E	2070' FSL; 810' FEL SE/SE 620' FSL; 760' FEL	
	20-44 20-66	43-037-30515	14-20-603-353	SEC. 20, T415, R24E	SW/NW 1221' FWL; 1369' FNL	
	21-11	43-037-31052	14-20-603-355	SEC. 21, T415, R24E	NW/NW 660' FNL; 660 FWL	
	21-12	43-037-15752	14-20-603-355	SEC. 21, T415, R24E	2080' FNL; 660' FWL	
	21-13	43-037-30921	14-20-603-355	SEC. 21, T41S, R24E	NW/SW 2030' FSL; 515' FWL	
	21-14	43-037-15753	14-20-603-355	SEC. 21, T41S, R24E	SW/SW 660' FSL; 460' FWL	
		43-037-16425	14-20-603-355	SEC. 21, T41S, R24E	NE/NW 660' FNL; 2030' FWL	
	21-32	43-037-15755	14-20-603-355	SEC. 21, T41S, R24E	SW/NE 1880' FNL; 1980' FEL	
١	21-33	NA	14-20-603-355	-SEC. 21, T41S, R24E	2000 FSL; 1860' FEL	,
ч	21-34	43-037-15756	14-20-603-355	SEC. 21, T41S, R24E	SW/SE 660' FSL; 1980' FEL	4
ч	21W-41	43-037-16426	14-20-603-355	CLC 31 INTO DOME		
- 4	Max 2 2 2 2 00 18			SEC. 21, T41S, R24E	1	- 1
		43-037-16427	14-20-603-355	SEC. 21, T41S, R24E	NE/NE 1980' FSL; 660' FEL	
Ч	24-11	43-037-16427 43-037-15861	14-20-603-355 14-20-603-247A	SEC. 21, T41S, R24E SEC. 24, T41S, R24E	NE/NE 1980' FSL; 660' FEL 510' FNL; 810' FWL	-1
ų ų	24-11 24W-21	43-037-16427 43-037-15861 43-037-16429	14-20-603-355 14-20-603-247A 14-20-603-247	SEC. 21, T41S, R24E SEC. 24, T41S, R24E SEC. 24, T41S, R24E	NE/NE 1980' FSL; 660' FEL 510' FNL; 810' FWL 4695' FSL; 3300' FEL	-1
7	24-11 24W-21 24W-43	43-037-16427 43-037-15861 43-037-16429 43-037-16430	14-20-603-355 14-20-603-247A 14-20-603-247 14-20-603-247	SEC. 21, T41S, R24E SEC. 24, T41S, R24E SEC. 24, T41S, R24E SEC. 24, T41S, R24E	NE/NE 1980' FSL; 660' FEL 510' FNL; 810' FWL 4695' FSL; 3300' FEL 2080' FSL; 660' FEL	-1
7 7 7 7	24-11 24W-21 24W-43 24-31W-2	43-037-16427 43-037-15861 43-037-16429 43-037-16430 \$3-037-15862	14-20-603-355 14-20-603-247A 14-20-603-247 14-20-603-247 14-20-603-247A	SEC. 21, T41S, R24E SEC. 24, T41S, R24E SEC. 24, T41S, R24E SEC. 24, T41S, R24E SEC. 24, T41S, R24E	NE/NE 1980' FSL; 660' FEL 510' FNL; 810' FWL 4695' FSL; 3300' FEL 2080' FSL; 660' FEL NW/NE 560' FNL; 1830' FEL	-1
2 2 2 2 2	24-11 24W-21 24W-43 24-31W-2 24-32	43-037-16427 43-037-15861 43-037-16429 43-037-16430 \$3-037-15862 43-037-31593	14-20-603-355 14-20-603-247A 14-20-603-247 14-20-603-247 14-20-603-247A 14-20-603-247A	SEC. 21, T41S, R24E SEC. 24, T41S, R24E	NE/NE 1980' FSL; 660' FEL 510' FNL; 810' FWL 4695' FSL; 3300' FEL 2080' FSL; 660' FEL NW/NE 560' FNL; 1830' FEL SW/NE 2121' FNL; 1846' FEL	-1
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しょ とくしくしいしいしん	24-11 24W-21 24W-43 24-31W-2 24-32 24-41 24W-423 28-11 28-12 29-11 29W-2113 29-22 29W-23	43-037-16427 43-037-15861 43-037-16429 43-037-15862 43-037-31593 43-037-31132 43-037-3044 5 43-037-31053 43-037-31053 43-037-31053 43-037-31082 43-037-15338	14-20-603-355 14-20-603-247A 14-20-603-247 14-20-603-247A 14-20-603-247A 14-20-603-247A 14-20-603-247A 14-20-603-247A 14-20-603-409 14-20-603-409 14-20-603-407 14-20-603-407 14-20-603-407	SEC. 21, T41S, R24E SEC. 24, T41S, R24E SEC. 28, T41S, R24E SEC. 28, T41S, R24E SEC. 29, T41S, R24E	NE/NE 1980' FSL; 660' FEL 510' FNL; 810' FWL 4695' FSL; 3300' FEL 2080' FSL; 660' FEL NW/NE 560' FNL; 1830' FEL SW/NE 2121' FNL; 1846' FEL NE/NE 660' FNL; 710' FEL 660' FSL; 1980' FNL NW/NW 520' FNL; 620' FWL SW/SE/NW 2121' FNL; 623' FWL NW/NW 770' FNL; 585' FWL NE/NW 667' FNL; 2122' FWL SE/NW 2130' FNL; 1370' FWL NE/SW 1846' FSL; 1832' FWL	-1
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PAId

PAID PAID PAID Form 3160-5 (June 1990)

X Subsequent Report

Final Abandonment Notice

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMEN

FORM APPROVED Budget Bureau No. 1004-0135

Expires: March 31, 1993 Lease Designation and Serial No.

Non-Routine Fracturing

Conversion to Injection

Water Shut-Off

Dispose Water

SUNDRY NOTICES AND	14-20-603-407		
	6. If Indian, Allottee or Tribe Na	me	
- -	to deepen or reentry to a different reservoir.		
Use "APPLICATION FOR	PERMIT - " for such proposals	NAVAJO TRIBAL	
SUBMIT	7. If Unit or CA, Agreement Dea RATHERFORD UNIT	ignation	
1. Type of Well Oil Well Well Other		8. Well Name and No.	
2. Name of Operator		RATHERFORD UNIT 29	-W-41
MOBIL EXPLORATION & PRODUCING US,	AS AGENT FOR MEPNA	9. API Well No.	
3. Address and Telephone No.	43-037-16433		
P. O. BOX 633, MIDLAND, TX 79702	10. Field and Pool, or exploratory Area		
4. Location of Well (Footage, Sec., T., R., M., or Survey De	GREATER ANETH		
557' FNL, 591' FEL; SEC. 29, T41S, R24E		11. County or Parish, State	
		SAN JUAN,	UT
12. CHECK APPROPRIATE BOX(s)	TO INDICATE NATURE OF NOTICE, REPORT	, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION		
Notice of Intent	Abandonment	Change of Plans	
	l		

(Note: Report results of multiple comp Completion or Recompletion Report and Los form.) 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Plugging Back

Casing Repair

Altering Casing

ACIDIZE

√03-13-94 MIRU. PRESS TEST COIL TBG & BOP TO 5000 PSI - TAG FILL @ 5628'. PUMP 5000 GALS 15% HCL ACROSS PERFS AT 5546-5626'. FLOW BACK LOAD TO TANK. RETURN TO INJECTION.

14. I hereby certify that the foregoing is true and correct Signed Signed Shirley Sold	Title ENV. & REG. TECHNICIAN	Date 04/01/94
(This space for Federal or State office use) Approved by Conditions of approval, if any:	Title	- faxcredit

Division of Oil, Gas and Mining PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to: [] Well File (Location) Sec (API No.)	_TwpRng	(To - Initials)	OPER NM CHG
1. Date of Phone C	Call: 8-3-95	Time:	
Talked to: Name R.J.	FIRTH	CORDOVA (Initiated Call XX) -	Phone No. ()
3. Topic of Conver		N A / N7370	
OPERATOR NAME I	IS BEING CHANGED	PLOR & PROD. THE NAME	EXPLORATION AND PRODUCING CHANGE IS BEING DONE AT MONGST THE GENERAL PUBLIC.
*SUPERIOR OIL (COMPANY MERGED I	NTO M E P N A 4-24-86 (SEE ATTACHED).
		·	

Mobil Oil Corporation

P.O. BOX 5444 DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

Attn: R. J. Firth

Associate Director



DIVISION OF OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly cwned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,

R. D. Baker

Environmental Regulatory Manager

CNE/rd CNE8661

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	n of Oil, Gas and Mining OR CHANGE HORKSHEET 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
	each listed item when completed. Write N/A if item is not applicable. 2-LWP 8-SJV 3-PILE 4-VLC
□ Char □ Desi	ge of Operator (well sold) gnation of Operator Designation of Agent XXX Operator Name Change Only 5-RJF 6-LWP
The op	erator of the well(s) listed below has changed (EFFECTIVE DATE: <u>8-2-95</u>)
TO (ne	w operator) MOBIL EXPLOR & PROD (address) C/O MOBIL OIL CORP PO DRAWER G CORTEZ CO 81321 phone (303) 564-5212 account no. N7370 FROM (former operator) M E P N A (address) C/O MOBIL OIL CORP PO DRAWER G CORTEZ CO 81321 phone (303) 564-5212 account no. N7370
Hell(s) (attach additional page if needed):
Name: Name: Name: Name:	** SEE ATTACHED ** API:
1	OR CHANGE DOCUMENTATION (Rule R615-8-10) Sundry or other <u>legal</u> documentation has been received from <u>former</u> operator (Attach to this form). (Rule R615-8-10) Sundry or other <u>legal</u> documentation has been received from <u>new</u> operator (Attach to this form).
	The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) If yes, show company file number:
	(For Indian and Federal Hells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
	Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. $(8-3-95)$
W 6.	Cardex file has been updated for each well listed above. 8-31.95
nf 7.	Well file labels have been updated for each well listed above. 9-18-95
Lec 8.	Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (83.95)
Lileg.	A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

OPERATOR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.	
ENTITY REVIEW	
(Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. entity changes made? (yes/ho) (If entity assignments were changed, attach cop Form 6, Entity Action Form).	<u>ies</u> of
2. State Lands and the Tax Commission have been notified through normal procedurentity changes.	es of
BOND VERIFICATION (Fee wells only) * No Fee Leese Wells at this time!	
NA/1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished proper bond.	hed a
2. A copy of this form has been placed in the new and former operators' bond files.	
3. The former operator has requested a release of liability from their bond (yes/no) Today's date 19 15 If yes, division response was made by dated 19	etter
LEASE INTEREST OHNER NOTIFICATION RESPONSIBILITY	
1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has notified by letter dated	been y any such
2. Copies of documents have been sent to State Lands for changes involving State leases	;
FILMING	
1. All attachments to this form have been microfilmed. Date: October 4 19	95.
FILING	
1. Copies of all attachments to this form have been filed in each well file.	
2. The <u>original</u> of this form and the <u>original</u> attachments have been filed in the Ope Change file.	rator
COMMENTS	
950803 WIC F5/Not necessary!	

WE71/34-35

Page No. 08/03/95

STATE OF UTAH INVENTORY OF INJECTION WELLS

OPER	ATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
	****	*****	*****	***	***	* *	*****	*****
MEPNA	(MOBIL	43-037-15722	16W23	41S	24E	16	WLNI	Y
MEPNA	(MOBIL	43-037-16414	16W21	41S	24E	16	INJW	Y
MEPNA	(MOBIL	43-037-16416	17W21	41S	24E	17	INJW	Y
MEPNA	(MOBIL	43-037-15726	17W12	41S	24E	17	INJW	Y
MEPNA	(MOBIL	43-037-15731	17W41	41S	24E	17	INJW	Y
MEPNA	(MOBIL	43-037-16417	17W43	41S	24E	17	INJW	Y
MEPNA	(MOBIL	43-037-15728	17W23	41S	24E	17	INJW	Y
MEPNA	(MOBIL	43-037-15730	17W34	41S	24E	17	INJW	Y
MEPNA	(MOBIL	43-037-15729	17W32	41S	24E	17	INJW	Y
MEPNA	(MOBIL	43-037-15727	17W14	41S	24E	17	INJW	Y
MEPNA	(MOBIL	43-037-31153	18W12	41S	24E	18	INJW	Y
MEPNA	(MOBIL	43-037-15737	18W34	41S	24E	18	INJW	Y
MEPNA	(MOBIL	43-037-15736	18W32	41S	24E	18	INJW	Y
MEPNA	(MOBIL	43-037-30244	18W23	41S	24E	18	INJW	Y
MEPNA	(MOBIL	43-037-15735	18W14	41S	24E	18	INJW	Y
MEPNA	(MOBIL	43-037-16418	18W21	41S	24E	18	INJW	Y
MEPNA	(MOBIL	43-037-15738	18W41	41S	24E	18	INJW ;	Y
MEPNA	(MOBIL	43-037-15741	19W21	41S	24E	19	INJW	Y
MEPNA	(MOBIL	43-037-15742	19W23	41S	24E	19	INJW	Y
MEPNA	(MOBIL	43-037-15745	19W41	41S	24E	19	INJW	Y
MEPNA	(MOBIL	43-037-16420	19W43	41S	24E	19	INJW	Y
MEPNA	(MOBIL	43-037-15748	20W23	41S	24E	20	INJW	Y
MEPNA	(MOBIL	43-037-15751	20W41	41S	24E	20	INJW	Y
∕ MEPNA	(MOBIL	43-037-16423	20W21	41S	24E	20	INJW	Y
MEPNA	(MOBIL	43-037-16424	20W43	41S	24E	20	INJW	Y
∕ MEPNA	(MOBIL	43-037-16427	21W43	41S	24E	21	INJW	Y
MEPNA	(MOBIL	43-037-16425	21W21	41S	24E	21	INJW	Y
✓ MEPNA	(MOBIL	43-037-16431	28W21	41S	24E	28	INJI	Y
MEPNA	(MOBIL		29W41	41S	24E	29	INJW	Y
MEPNA	(MOBIL	43-037-16432	29W21	41S	24E	29	INJW	Y
MEPNA	(MOBIL	43-037-15338	29W23	41S	24E	29	INJI	Y
MEPNA	(MOBIL	43-037-16434	29W43	41S	24E	29	INJW	Y
MEPNA	(MOBIL	43-037-15343	30-41	41S	24E	30	INJW	<u>Y</u>
∕ MEPNA	(MOBIL	43-037-16435	30W21	41S	24E	30	INJI	

Form 3160-5 (June 1990)

12.

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

1

FORM APPROVED Budget Bureau-No. 1004-0135 Expires: March 31, 1993

5. Lease Designation and Serial No.

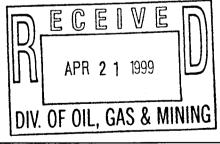
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

14-20-603-407 SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill Use "APPLICATION FOR SUBMIT	6. If Indian, Allottee or Tribe Name NAVAJO TRIBAL 7. If Unit or CA, Agreement Designation RATHERFORD UNIT		
1. Type of Well Oil Well Well X Other 2. Name of Operator MOBIL PRODUCING TX & Ni *MOBIL EXPLORATION & PF 3. Address and Telephone No. P.O. Box 633, Midland TX 79702 4. Location of Well (Footage, Sec., T., R., M., or Survey De SEC. 29, T41S, R24E 557' FNL & 591' FEL	8. Well Name and No. RATHERFORD 29-W-41 9. API Well No. 43-037-16433 10. Field and Pool, or exploratory Area GREATER ANETH 11. County or Parish, State SAN JUAN UT		
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPOR	T, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION	N :	
Notice of Intent X Subsequent Report Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing X Other ACIDIZE	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

4-02-99 MIRU D/S CT TREATING EQUIP., ACIDIZED 5546-5626' PERFS W/5000 GALS 15% HCL ACID, JET WASH ACTION.



4. I hereby certify that the foregoing is true and correct Stand	for Title SHIRLEY HOUCHINS/ENV & REG TECH	Date 4-16-99
(This space for Federal or State office use) Approved by Conditions of approval, if any:	Title	Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5 (June 1990)

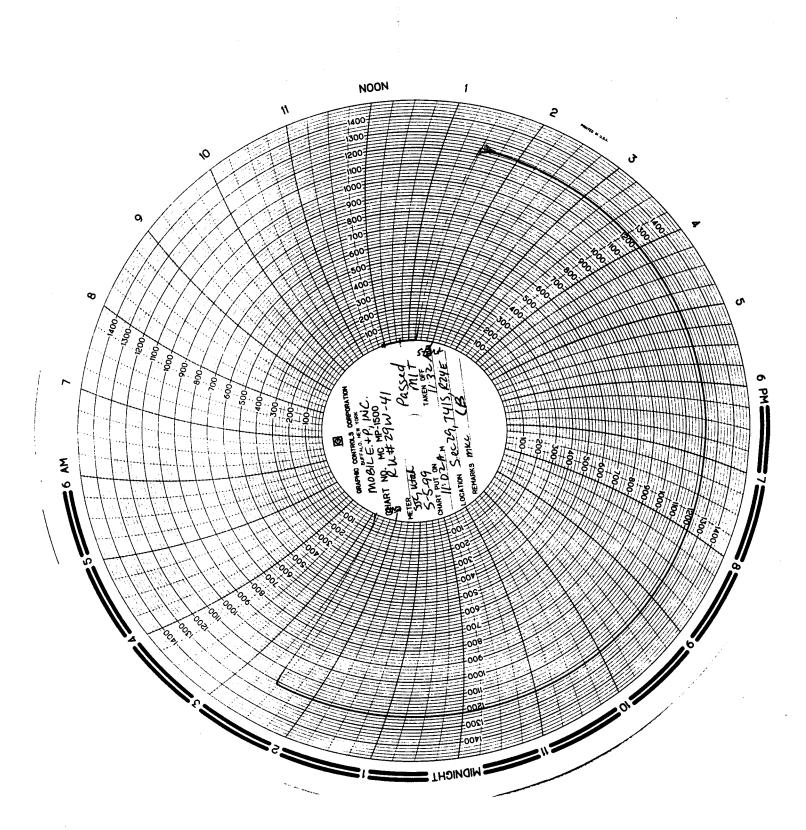
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED					
Budget Bure	au No. 1	004-0135			
	March 31				
		at at Ma			

(June 1990)		AND MANAGEM			5. Lease Designation	on and Serial No.
					14-20-603-407	
D	SUNDRY NOTICES AND this form for proposals to drill o			erent reservoir.	6. If Indian, Allotte	e or Tribe Name
Do not use	Use "APPLICATION FOR I	PERMIT - " for su	ch proposals		NAVAJO TRIBA	<u> </u>
						greement Designation
	SUBMIT	IN TRIPLICATE	<u> </u>		RATHERFORD U	NIT
1. Type of Well Oil Well	Gas Well X Other				8. Well Name and RATHERFORD	No. 29-W-41
2. Name of Op	*MOBIL PRODUCING TX & NM *MOBIL EXPLORATION & PR	INC.# ODUCING US INC.	AS AGENT FO	OR MPTM	9. API Well No.	•
3. Address and					43-037-16433	
P.O. Box	x 633. Midland TX 79702		(915) 688-2	585	10. Field and Pool GREATER ANET	, or exploratory Area
	Well (Pootage, Sec., T., R., M., or Survey De	eripuon)			GREATER AND	п
	, T41S, R24E L & 591' FEL				11. County or Par	
					SAN JUAN	<u> </u>
12. C	HECK APPROPRIATE BOX(s) TO INDICATE	NATURE OF	NOTICE, REPOR	T, OR OTHER DA	<u>TA</u>
1	TYPE OF SUBMISSION			TYPE OF ACTIO	N	
	Y Notice of Intent		Abandonment		Change of P	lans
			Recompletion		New Const.	ruction
	Subsequent Report	· [Plugging Back		Non-Routin	e Practuring
		j	Casing Repair		Water Shut	
	Final Abandonment Notice		Altering Casing	·	—	to Injection
		ļ LX	Other	MIT CHART	Dispose W: (Note: Report resul	ne of multiple completion on Well
				Juding estimated date of S		completion Report and Log form.) . If well is directionally drilled
13. Describe Prop give	osed or Completed Operations (Clearly state al subsurface locations and measured and true ver	l pertinent details, and gi- tical depths for all marks	es and zones pertinen	t to this work.)*		
see at	TACHED CHART.					
					ECEIVI	
					MAY 1 4 1999	العا
				ח עות ה	FOIL, GAS & I	VINING
				DIV. U	i die, and di	

14. I hereby certify that the foregoing is true and correct Signed	_ Title	SHIRLEY HOUCHINS/ENV & REG TECH	Date 5-12-99
(This space for Federal or State office use)		•	
Approved by	_ Title		Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



U.S. West P.O. Box 4358 Houston, Texas 77210-4358

June 27, 2001



Mr. Jim Thompson State of Utah, Division of Oil, Gas and Mining 1549 West North Temple Suite 1210 Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Charlotte St. Darper

Charlotte H. Harper Permitting Supervisor

ExxonMobil Production Company a division of Exxon Mobil Corporation, acting for ExxonMobil Oil Corporation

200**1**

DILL CAS AND MINING



United States Department of the Interior

NAVATOR REGION

P.O. Box 1060 Gallup, New Mexico 87305-1060

RRES/543

AUG 3 0 2001

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Charlotte H. Harper, Permitting Supervisor Exxon Mobil Production Company U. S. West P. O. Box 4358 Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

CEMAIL DENETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

	ADM J 48/11
1	NATV AM MEN COORD
:	SOLID ATM TRAN
•	PETROMENT ISAM Z
	O & G INSHERD YEAM
	ALL TEAM LEADERS
	LAND RESOURCES
1	ENVIRONMENT
ĺ	FILES
L	* 1869

ExxonMobil Production Company

U.S. West P.O. Box 4358 Houston, Texas 77210-4358

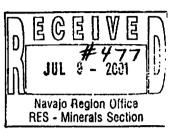
June 27, 2001

Certified Mail
Return Receipt Requested

Ms. Genni Denetsone
United States Department of the Interior
Bureau of Indian Affairs, Navajo Region
Real Estate Services
P. O. Box 1060
Gallup, New Mexico 87305-1060
Mail Code 543

1/2/200/ Ships 543
nMobil

ExonMobil Production



Change of Name –
Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-, Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours

Charlotte H. Harper Permitting Supervisor

Attachments

JUL 0 5 2001

NAVAJO REGION OFFICE
BRANCH OF REAL ESTATE SERVICES

ExxonMobil Production Company a division of Exxon Mobil Corporation, acting for ExxonMobil Oil Corporation

NOTE: Check forwarded to Ella Issu

Charlotte U. Harper

Bureau of Indian Affairs
Navajo Region Office
Attn: RRES - Mineral and Mining Section
P.O. Box 1060
Gallup, New Mexico 87305-1060

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uo	6 8 L	C	111	u		

The current listing of officers and director ofExx Corporation), ofNew York	(Name of (State) is as follows:
President F.A. Risch Vice President K.T. Koonce Secretary F.L. Rejd Treasure B.A. Maher	Address 5959 Las Colinas Blvd. Irving. TX 75039 Address 800 Bell Street Houston, TX 77002 Address 5959 Las Colinas Blvd. Irving. TX 75039 Address 5959 Las Colinas Blvd. Irving. TX 75039
DI	RECTORS
Name P.A. Hanson Name T.P. Townsend	Address 5959 Las Colinas Blvd. Irving, TX 75039 Address 5959 Las Colinas Blvd. Irving, TX 75039 Address 5959 Las Colinas Blvd. Irving, TX 75039 y,
and in the custody of <u>Corporation Service Corporation Service Cor</u>	ing toExxonMobil Oil Corporation (Corporation) d accounts covering business for the State ofUtah ompany

CERTIFICATION

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

CHANGE OF COMPANY NAME

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation".

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

Assistant Secretary

COUNTY OF DALLAS
STATE OF TEXAS

UNITED STATES OF AMERICA

Sworn to and subscribed before me at Irving, Texas, U.S. A. on this the 8th day of June, 2001.

Motary Public

LISTING OF LEASES OF MOBIL OIL CORPORATION

Lease Number

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A 9)
- 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

CHUBB GROUP OF INSURANCE COMPANIES

Helder Constitution South State 1900, Mouston Texas, 77027-3301
 Helder J. 1131-227-4600 * Pedsiminal (713) 297-4750

NW Bond

FEDERAL INSURANCE COMPANY RIDER to be attached to and form a part of

BOND NO 8027 31 97
wherein
Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is
named as Principal and

FEDERAL INSURANCE COMPANY AS SURETY,

in favor of United States of America, Department of the Interior Bureau of Indian Affairs

in the amount of \$150,000.00 bond date: 11/01/65

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001 the name of the Principal is changed

FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.

TO : ExxonMobil Oil Corporation

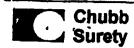
All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12th of June, 2001.

LAXOUVADOR ON COPPORATION

FEDERAL INSURANCE COMPANY

Mary Pierson, Attorney-in-fact



POWER **OF** ATTORNEY Federal Insurance Company Vigilant Insurance Company Pacific Indemnity Company

Attn.: Surety Department 15 Mountain View Road Warren, NJ 07059

Know All by These Presents, That FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, and PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, do each hereby constitute and appoint R.F. Bobo,

Mary Pierson, Philana Berros, and Jody E. Specht of Houston, Texas--

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than ball bonds) given or executed in the course of business, and any instruments amending or attering the same, and consents to the modification or atteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.

STATE OF NEW JERSEY County of Somerset

County of Somerset

On this

O

Notary Public State of New Jersey

No. 2231647

HOLONOPSIE

Commission Expires Oct 38 2004 COM

Extract from the By-Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facultile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertaidings and other writings obligatory in the nature little Company and any such power of attorney or certificate bearing such faceimile signature or faceimile seal shall be valid and binding upon the Company and any such power so executed and certified by such faceimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

the foregoing extract of the By-Laws of the Companies is true and correct,

(ii) the Companies are duly iconeed and authorized to transact surely business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are illoanced in Puerto Rico and the U. S. Virgin talands, and Federal is illoanced in American Samos, Guarn, and each of the Provinces of Canada except Prince Edward letand; and

(iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001







IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

CSC.

5184334741

06/01 '01 08:46 NO.410 03/05

06/01 '01 09:06 No.135 02/04

F010601000 187

CERTIFICATE OF AMENDMENT

OF

CERTIFICATE OF INCORPORATION

Q.E

CSC 45

MOBIL OIL CORPORATION

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby cartify:

FIRST: That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

SECOND: That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

THIRD: That the sumendments to the Certificate of Incorporation effected...
by this Certificate are as follows:

- (a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:
 - "1st The corporate name of said Company shall be,
 Exconimobil Oil Corporation",
- (b) Article 7th of the Certificate of Incorporation, relating to the Office of the corporation is hereby smended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC CSC

5184334741

06/01 '01 08:47 NO.410 04/05

FOURTH: That the amendments to the Cartificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to wore on amendments to the Cartificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this <u>z2nd</u> Day of May, 2001.

F. A. Risch, President

STATE OF TEXAS)
COUNTY OF DALLAS

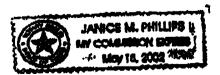
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.

F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 224 day of May, 2001.

[SEAL]

NOTARY PUBLIC, STATE OF TEXAS



CSC CSC

5184334741

05/01.01.09:01 NO.411 02/02 01060100187

CSC 45

CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 805 of the Business Corporation Law

IOO

STATE OF NEW YORK
DEPARTMENT OF STATE

FILED JUN

TAX\$

Filed by: **EXXONMOBIL CORPORATION**

me)

6959 Las Colinas Blvd.

(Mailing address)

Irving, TX 75039-2298

(City, State and Zip code)

1655781MPJ

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06/01'01 08:19

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=> CSC

State of New York }
Department of State }

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on JUN 01 2001



Special Deputy Secretary of State

DOS-1266 (7/00)

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has cha	anged, effective:	06-01-2001				
FROM: (Old Operator):		TO: (New On	perator):			
MOBIL EXPLORATION & PRODUCTION		EXXONMOBI				
Address: P O BOX DRAWER "G"		Address: USV	VEST P O I	BOX 4358		
CORTEZ, CO 81321		HOUSTON, T	X 77210-43	358	<u>.</u>	
Phone: 1-(970)-564-5212		Phone: 1-(713)				
Account No. N7370		Account No. N1855				
C	A No.	Unit:	RATHER	FORD		
WELL(S)						
	b	API NO	ENTITY		ì	WELL
NAME	RNG		NO	TYPE	TYPE	STATUS
NAVAJO B-6 (RATHERFORD 7W21)		43-037-16394		INDIAN	WI	A
NAVAJO B-43-7 (RATHERFORD 7W43)		43-037-16395		INDIAN	WI	Α
NAVAJO 23-9 (RATHERFORD 9W23)		43-037-16398		INDIAN	WI	A
RATHERFORD U 20W21		43-037-16423		INDIAN	WI	A
DSRT A-19 (RATHERFORD 20W43)		43-037-16424		INDIAN	WI	I
RATHERFORD 21W21	21-41S-24E	43-037-16425	99990	INDIAN	WI	A
NAVAJO B-10 (RATHERFORD 29W41)		43-037-16433		INDIAN	WI	A
NAVAJO B-13 (RATHERFORD 29W43)	29-41S-24E	43-037-16434	99990	INDIAN	WI	Α
OPERATOR CHANGES DOCUMENTAT Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation was re		RMER operator	on:	06/29/200	1	
(110 15 0 10) ominary or repair documentation was re-						
2. (R649-8-10) Sundry or legal documentation was re	ceived from the NEV	V operator on:	06/29/200	<u>)1</u>		
3. The new company has been checked through the D	epartment of Comn	nerce, Division	of Corpora	ations Data	base on:	04/09/200
4. Is the new operator registered in the State of Utah:	YES	Business Num	ber:	579865-01	<u>43</u>	
5. If NO , the operator was contacted contacted on:	N/A	_				

	or operator change for all wells listed on Federal or Indian	leases on: BL	A-06/01/01	_	
7.	Federal and Indian Units: The BLM or BIA has approved the successor of unit open	erator for wells list	ted on:	06/01/2001	
8.	Federal and Indian Communization Agreeme The BLM or BIA has approved the operator for all wells		A on:	N/A	
9.	Underground Injection Control ("UIC") for the enhanced/secondary recovery unit/project for the v			n:	ransfer of Authority to Inject, N/A EPA ISSUES UIC PERMITS
D	ATA ENTRY:				
1.	Changes entered in the Oil and Gas Database on:	04/18/2002			
2.	Changes have been entered on the Monthly Operator Ch	ange Spread She	et on:	04/18/2002	
3.	Bond information entered in RBDMS on:	N/A			
4.	Fee wells attached to bond in RBDMS on:	<u>N/A</u>			
Si	TATE WELL(S) BOND VERIFICATION:				
1.	State well(s) covered by Bond Number:	N/A			
FI	EDERAL WELL(S) BOND VERIFICATION:			-	
1.	Federal well(s) covered by Bond Number:	<u>N/A</u>			
IN	IDIAN WELL(S) BOND VERIFICATION:				
1.	Indian well(s) covered by Bond Number:	80273197			
FI	EE WELL(S) BOND VERIFICATION:				
1.	(R649-3-1) The NEW operator of any fee well(s) listed co	overed by Bond N	umber	N/A	
2.	The FORMER operator has requested a release of liability The Division sent response by letter on:	from their bond o	n:	N/A	
3.	EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has be of their responsibility to notify all interest owners of this cl	een contacted and	l informed b N/A	y a letter from	the Division
C	DMMENTS:				
_					

6. Federal and Indian Lease Wells: The BLM and or the BIA has approved the merger, name change,

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING	;
1. DJJ	
2. CDW	

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:		6/1/2006
FROM: (Old Operator):	TO: (New Operator):	-
N1855-ExxonMobil Oil Corporation	N2700-Resolute Natural l	Resources Company
PO Box 4358	1675 Broadway, S	
Houston, TX 77210-4358	Denver, CO 80202	2
Phone: 1 (281) 654-1936	Phone: 1 (303) 534-4600	
CA No.	Unit:	RATHERFORD (UIC)
OPERATOR CHANGES DOCUMENTATION Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation was received from the company was checked on the Department of Commerce to the new company was checked on the Department of Commerce to the company was checked on the Department of Commerce to the company was contacted on: Is the new operator registered in the State of Utah: YES If NO, the operator was contacted contacted on: (R649-9-2) Waste Management Plan has been received on: (Reports current for Production/Disposition & Sundries on: Reports current for Production/Disposition & Sundries on: Federal and Indian Lease Wells: The BLM and or the lor operator change for all wells listed on Federal or Indian leases to the BLM or BIA has approved the successor of unit operator for the BLM or BIA has approved the	representation on: Property of the property o	merger, name change,n/aBIA not yetnot yet
The BLM or BIA has approved the operator for all wells listed v	within a CA on:	n/a Form 5, Transfer of Authority to
10. Chacigiouna injection control (010)		
Inject, for the enhanced/secondary recovery unit/project for the w	ater disposar werr(s) fisted	Oil. O/ 12/2000
 Changes entered in the Oil and Gas Database on: Changes have been entered on the Monthly Operator Change State and information entered in RBDMS on: Fee/State wells attached to bond in RBDMS on: Injection Projects to new operator in RBDMS on: Receipt of Acceptance of Drilling Procedures for APD/New on: 	6/22/2006 pread Sheet on: n/a n/a 6/22/2006	6/22/2006
BOND VERIFICATION:		
 Federal well(s) covered by Bond Number: Indian well(s) covered by Bond Number: (R649-3-1) The NEW operator of any fee well(s) listed covered by 		n/a
a. The FORMER operator has requested a release of liability from the Division sent response by letter on:	eir bond on: n/a n/a	
LEASE INTEREST OWNER NOTIFICATION: 4. (R649-2-10) The FORMER operator of the fee wells has been conformed of their responsibility to notify all interest owners of this change of COMMENTS:	ntacted and informed by a l	letter from the Division

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT								
Well Name and Number See attached list		API Number Attached						
Location of Well Footage: See attached list.	County : San Juan	Field or Unit Name Ratherford Unit						
QQ, Section, Township, Range:	State: UTAH	Lease Designation and Number See attached list						

EFFECTIVE DATE OF TRANSFER: 6/1/2006

PERATOR	
Exxon Mobil Oil Corporation	Name:
PO Box 4358	Signature:
city Houston state TX zip 77210-4358	Title:
(281) 654-1936	Date:
Exxon Mobil has submitted a separate, signed copy	
	Exxon Mobil Oil Corporation PO Box 4358 city Houston state TX zip 77210-4358 (281) 654-1936

NEW OPERATOR Resolute Natural Resources Company Company: Name: 1675 Broadway, Suite 1950 Address: Signature: city Denver state CO zip 80202 Regulatory Coordinator Title: (303) 534-4600 4/20/2006 Phone: Date: Comments: A list of affected UIC wells is attached. New bond numbers for these wells are: BIA Bond # PA002769 and US EPA Bond # B001252

(This space for State use only)

Transfer approved by:

Approval Date:

Comments:

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STATE OF UTAH

	DEPARTMENT OF NATURAL RESOL	JRCES	TOKING				
	DIVISION OF OIL, GAS AND M	IINING	5. LEASE DESIGNATION AND SERIAL NUMBER:				
SUNDR	Y NOTICES AND REPORT	S ON WELLS	0000 100				
Do not use this form for any and the state							
drill horizontal	new wells, significantly deepen existing wells below of laterals. Use APPLICATION FOR PERMIT TO DRILL	urrent bottom-hole depth, reenter plugged wells, or to _ form for such proposals.	Ratherford Unit				
TYPE OF WELL			8. WELL NAME and NUMBER:				
2. NAME OF OPERATOR:			See attached list				
	ces Company N2700		5 - 14 0 5 mg 1 mb 2 mg 1 mg 20 5 16 2 7 2 2 2 mg 20				
3. ADDRESS OF OPERATOR:		PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:				
16/5 Broadway, Suite 1950	Denver STATE CO Z	_P 80202 (303) 534-4600	Greater Aneth				
100,000,000	nest extensi	このである。 「おおおり」の表示の 「おおおり」の またり	add hazarkiri Almonto ana aki, sa ta				
FOUTAGES AT SURFACE: 386 a	uached list		COUNTY: San Juan				
QTR/QTR, SECTION, TOWNSHIP, RAI	NGE, MERIDIAN:		STATE				
	AMONETANAM MATERIAL CASAR CASAR		UTAH				
11. CHECK APP	ROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPO	RT. OR OTHER DATA				
TYPE OF SUBMISSION			INT, ON OTHER DATA				
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION				
(Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	=				
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	_				
	CHANGE TO PREVIOUS PLANS	,					
•	CHANGE TUBING	=					
SUBSEQUENT REPORT	NTENT pilicete) ACIDIZE DEEPEN REPER PRACTURE TREAT SIDETR SIDETR NEW CONSTRUCTION CHANGE TO PREVIOUS PLANS CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE TUBING CHANGE TUBING CHANGE WELL NAME PLUG BACK WATER PRODUCTION (START/RESUME) CHANGE WELL STATUS PRODUCTION (START/RESUME) COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION ROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		=				
(Submit Original Form Only)		_					
Date of work completion:		=					
==0	I=	=	OTHER:				
12 DESCRIPE PROPOSED OF O							
NOTICE OF INTENT (Submit in Duplicate) ACIDIZE ACIDIZE DEEPEN REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL Approximate date work will start: CASING REPAIR NEW CONSTRUCTION TEMPORARILY ABANDON TUBING REPAIR CHANGE TO PREVIOUS PLANS OPERATOR CHANGE TUBING REPAIR TUBING REPAIR CHANGE TUBING PLUG AND ABANDON VENT OR FLARE CHANGE WELL NAME PLUG BACK WATER DISPOSAL CHANGE WELL STATUS PRODUCTION (START/RESUME) WATER SHUT-OFF COMMINGLE PRODUCING FORMATIONS REPERFORATE CURRENT FORMATION TEMPORARILY ABANDON TUBING REPAIR WATER DISPOSAL WATER SHUT-OFF COMMINGLE PRODUCING FORMATIONS REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL WELL TUBING REPAIR WATER DISPOSAL WATER SHUT-OFF COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE OTHER:							
Pesclute Natural Pascura	xon Mobil Oil Corporation resigns	s as operator of the Ratherford Un	it. Also effective June 1, 2006				
Nesolute Matural Resourc	es Company is designated as su	accessor operator of the Ratherford	d Unit.				
A list of affected producing	g and water source wells is attac	hed. A separate of affected injection	on wells is being submitted with				
UIC Form 5, Transfer of A	authority to Inject.	meen resputate of ansolide injustic	on wone is being submitted with				
A- 611 CC 11 1 1 1							
As of the effective date, be	ond coverage for the affected we	ells will transfer to BIA Bond # PA0	02769.				
			8 5				
			27				
//_							
Duight E	Malloso	Damid 1 0 "					
SUNDRY NOTICES AND REPORTS ON WELLS SUNDRY NOTICES AND REPORTS ON WELLS Don't use 1st torm for prognostic including well, applicantly deeper seating with before compression of the well, applicantly deeper seating with before compression. If yer or well. OIL WELL OLL WELL OLL WELL ORS WELL OTHER Unit Agreement See attached its 1 and 2 an							
SIGNATURE WITE &	1	4/20/2006					
		DATE					
This space for State use only		1000	DEOE				

APPROVED 6 137 106

Carlene Russell

Division of Oil, Gas and Mining actions on Reverse Side)

England Russell Engineering Tacketolan

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Earlene Russell, Engineering Technician

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REPORTS ON V	VELLS 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ship Rock
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-h drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such	ole depth, reenter plugged wells, or to Droposals. 7. UNIT or CA AGREEMENT NAME: UTU68931A
1. TYPE OF WELL OIL WELL GAS WELL OTHER Injection	8. WELL NAME and NUMBER: Ratherford
2. NAME OF OPERATOR: ExxonMobil Oil Corporation N/855	9. API NUMBER:
3. ADDRESS OF OPERATOR:	PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT:
P.O. Box 4358 CITY Houston STATE TX ZIP 77210-4	358 (281) 654-1936 Aneth
FOOTAGES AT SURFACE:	соинту: San Juan
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATU	TYPE OF ACTION
Approximate date work will start: 6/1/2006 CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE TUBING CHANGE WELL NAME PLUC CHANGE WELL STATUS PRODUCING FORMATIONS RECL	SIDETRACK TO REPAIR WELL CONSTRUCTION TEMPORARILY ABANDON TUBING REPAIR GAND ABANDON VENT OR FLARE WATER DISPOSAL DUCTION (START/RESUME) WATER SHUT-OFF OMPLETE - DIFFERENT FORMATION WISHING REPAIR WATER DISPOSAL OUTTON (START/RESUME) WATER SHUT-OFF OTHER: OMPLETE - DIFFERENT FORMATION Anoth field, Ratherford lease to Resolute Natural Resources as of 7:00 AM MST on June 1, 2006.
NAME (PLEASE PRINT) Laurie Kilbride	Permitting Supervisor
SIGNATURE NUM D. KUBUU	DATE 4/19/2006
This apace for State use only) APPROVED 6 27 06	

(5/2000)

Carleve Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician
(See Instructions on Reverse Side)

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GREATER ANETH FIELD UIC WELL LIST Ratherford lease, San Juan County, Utah

			T					Surfa	ce Loc	ration	
Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Qtr 1	Qtr 2	_	_		NS Foot	EW Foot
Ney Lease Ivaille	Well ID	AFTNUIII	Otatus	rteg Lease #	GZLI I	Qu Z	Occ		INIO	140 7 001	L111000
RATHERFORD UNIT	11/1/2/	430371583900S1	Shut-in	14-20-603-246A	NE	SE	1	415	23F	0651FSL	3300FEL
RATHERFORD UNIT		430371638600S1	Active	14-20-603-246A	SE	SE	2	418			0510FEL
RATHERFORD UNIT		430371584100S1	Active	14-20-603-246A	SE	NE	11	418		3290FSL	4617FWL
RATHERFORD UNIT		430371584200S1	Shut-in	14-20-603-246A	SE	SE	11	418	23E	0660FSL	0558FEL
RATHERFORD UNIT		430371584300S1	Active	14-20-603-246A	NW	NW	12		23E	0678FNL	4620FEL
			Active	14-20-603-246A	NW	SW	12	418		1980FSL	4620FEL
RATHERFORD UNIT	12W13 12W22	430371640400S1 430371584501S1	Active	14-20-603-246A	SE	NW	12	415		1920FNL	2080FWL
RATHERFORD UNIT		43037311510181	Active	14-20-603-246A	SE	SW	12	418		0775FSL	1980FWL
RATHERFORD UNIT			Active	14-20-603-246A	NW	NE	12	418		0661FNL	1981FEL
	12W31	430371584700S1 430371584800S1	Active	14-20-603-246A	NW	SE	12		23E	1958FSL	3300FEL
RATHERFORD UNIT					SE	NE	12	418		3275FSL	0662FEL
RATHERFORD UNIT	12W42	430371585000S1	Active	14-20-603-246A 14-20-603-246A	SE	SE	12	415	23E	0772FSL	0807FEL
RATHERFORD UNIT	12W44A	430373154300S1	Shut-in	14-20-003-240A	ISE.	SL.	12	410	232	OTTZI SL	DOOT! LL
DATUEDEODD UNIT	40)4/44	40007044500404	A -40	44.00.000.0474	NIA/	NIVA/	12	440	225	OFOOTNI	0660FWL
RATHERFORD UNIT		430373115201S1	Active	14-20-603-247A	NW	NW	13	415		0500FNL	
RATHERFORD UNIT	13W13	430371585100S1	Active	14-20-603-247A	NW	SW	13	418	23E	1980FSL	4620FEL
RATHERFORD UNIT		430371585200S1	Active	14-20-603-247A	SE	NW	13	418			3300FEL
RATHERFORD UNIT		430371585300S1	Active	14-20-603-247A	SE	SW	13	415	4.00	0660FSL	3300FEL
RATHERFORD UNIT		430371585501S1	Active	14-20-603-247A	NW	SE	13		23E	1970FSL	1979FEL
RATHERFORD UNIT		430371585700S1	Shut-in	14-20-603-247A	SE	NE	13	418		2139FNL	0585FEL
RATHERFORD UNIT	13W44	430371640700S1	Active	14-20-603-247A	SE	SE	13	415	23E	0653FSL	0659FEL
RATHERFORD UNIT	14-31	430373171700S1	Active	14-20-603-247A	NW	NE	14		23E	0754FNL	1604FEL
RATHERFORD UNIT	14W42	430371586001S1	Active	14-20-603-247A	SE	NE	14	41S			653FEL
	24W31	430371586200S1	Shut-in	14-20-603-247A	NW	NE	24		24E	0560FNL	1830FEL
RATHERFORD UNIT	24W42	430371586300S1	Shut-in	14-20-603-247A	SE	NE	24	41S	24E	1980FNL	0660FEL
RATHERFORD UNIT		430371572601S1	Active	14-20-603-353	sw	NW	17	41S		1980FNL	510FWL
RATHERFORD UNIT	17W14	430371572700S1	Active	14-20-603-353	sw	SW	17	41S		0610FSL	0510FWL
RATHERFORD UNIT	17W21	430371641601S1	Active	14-20-603-353	NE	NW	17	418		0510FNL	1830FWL
RATHERFORD UNIT		430371572801S1	Active	14-20-603-353	NE	SW	17	418		1880FSL	1980FWL
RATHERFORD UNIT	17W32	430371572900S1	TA'd	14-20-603-353	SW	NE	17	41S	24E	1830FNL	2030FEL
RATHERFORD UNIT	17W34	430371573000S1	Active	14-20-603-353	SW	SE	17		24E	0560FSL	1880FEL
RATHERFORD UNIT	17W41	430371573100S1	Shut-in	14-20-603-353	NE	NE	17	41S	24E	0610FNL	0510FEL
RATHERFORD UNIT	17W43	430371641701S1	Active	14-20-603-353	NE	SE	17	41S	24E	1980FSL	0660FEL
RATHERFORD UNIT	18-43B	430373171801S1	Active	14-20-603-353	NE	SE	18	41S	24E	2023FSL	0651FEL
RATHERFORD UNIT	18W12	430373115301S1	Active	14-20-603-353	sw	NW	18	41S	24E	1980FNL	560FWL
RATHERFORD UNIT	18W14	430371573501S1	Active	14-20-603-353	SW	SW	18	41S	24E	0810FSL	0600FWL
RATHERFORD UNIT	18W21	430371641801S1	Active	14-20-603-353	NE	NW	18	41S	24E	660FNL	1882FWL
RATHERFORD UNIT	18W23	430373024400S1	Shut-in	14-20-603-353	NE	SW	18	418	24E	2385FSL	2040FWL
RATHERFORD UNIT		430371573601S1	Active	14-20-603-353		NE					1830FEL
RATHERFORD UNIT		430371573701S1	Active	14-20-603-353	sw	SE	18			780FSL	1860FEL
RATHERFORD UNIT		430371573800S1	TA'd	14-20-603-353	NE	NE	18				0660FEL
RATHERFORD UNIT		430371573901S1	Active	14-20-603-353	sw	NW	19				0600FWL
RATHERFORD UNIT		430371574301S1	Active	14-20-603-353	sw	NE	19				2802FEL
RATHERFORD UNIT		430371574401S1	Active	14-20-603-353	SW	SE	19				1980FEL
RATHERFORD UNIT		430371574100S1	Shut-in	14-20-603-353	NE.	NW	19			0660FNL	1860FWL
RATHERFORD UNIT		430371574200S1	Shut-in	14-20-603-353	NE	sw	19			2080FSL	1860FWL
RATHERFORD UNIT		430371642000S1	Shut-in	14-20-603-353	NE	SE	19			1980FSL	0760FEL
RATHERFORD UNIT		430371574601S1	Active	14-20-603-353	sw	NW	20				0748FEL
RATHERFORD UNIT		430371574701S1	Active	14-20-603-353	sw	sw	20			0660FSL	0660FWL
RATHERFORD UNIT		430371574701S1	Active	14-20-603-353	sw	NE	20			0037FNL	0035FWL
RATHERFORD UNIT		430371575001S1	Active	14-20-603-353	sw	SE	20			0774FNL	0617FWL
- I STATE OF THE S		430373159000S1	Active	14-20-603-353	NE	SW	20			2629FSL	1412FWL
RATHERFORD UNIT			-		NE	NW	20			0660FNL	1880FWL
RATHERFORD UNIT		430371642300S1	Active	14-20-603-353			20			2080FSL	2120FWL
RATHERFORD UNIT		430371574800S1	Active	14-20-603-353	NW	SW	20				0660FEL
RATHERFORD UNIT		430371575100S1	Active	14-20-603-353	NE	NE				2070FSL	0810FEL
RATHERFORD UNIT	20W43	430371642400S1	TA'd	14-20-603-353	NE	SE	20	1410	Z4C	ZUIUFSL	JOIN EL
10000	100000	100071550550	A -4:	144 00 000 055	CVA/	NDA/	10	140	DAE	1000ENII	0660FWL
RATHERFORD UNIT	[16W12	430371572000S1	Active	14-20-603-355	SW	NW	16	1415	24E	1880FNL	DOOOLAAF

GREATER ANETH FIELD UIC WELL LISTRatherford lease, San Juan County, Utah

				- Iulo	-			Surfa	ce Loc	ation	
Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
RATHERFORD UNIT	16W14	430371572100S1	Shut-in	14-20-603-355	sw	sw	16	41S		0660FSL	0660FWL
RATHERFORD UNIT	16W21	430371641400S1	Active	14-20-603-355	NE	NW	16	41S		0660FNL	1880FWL
RATHERFORD UNIT	16W23	430371572201S1	Active	14-20-603-355	NE	SW	16	41S	24E	1980FSL	1980FWL
RATHERFORD UNIT	16W43	430371641501S1	Active	14-20-603-355	NE	SE	16	41S	24E	2140FSL	0820FEL
RATHERFORD UNIT	21-14	430371575301S1	Active	14-20-603-355	sw	SW	21	41S	24E	0660FSL	0460FWL
RATHERFORD UNIT	21-67	430373175301S1	Active	14-20-603-355	NE	sw	21	41S	24E	2560FSL	1325FWL
RATHERFORD UNIT		430371642501S1	Active	14-20-603-355	NE	NW	21	41S	24E	0660FNL	2030FWL
RATHERFORD UNIT	6W14	430371598400S1	Active	14-20-603-368	NE	SE	6		24E	0660FSL	0660FWL
RATHERFORD UNIT	7W12	430371598500S1	Active	14-20-603-368	NE	SE	7	41S		2140FNL	0585FWL
RATHERFORD UNIT	7W14	430371598600S1	Active	14-20-603-368	NE	SE	7	41S	24E	1065FSL	0660FWL
RATHERFORD UNIT	7W21	430371639400S1	Active	14-20-603-368	NE	NW	7	418		0710FNL	1820FWL
RATHERFORD UNIT	7W34	430371598900S1	Active	14-20-603-368	SW	SE	7			0710FSL	2003FEL
RATHERFORD UNIT	7W43	430371639500S1	Active	14-20-603-368	NE	SE	7		24E	2110FSL	0660FEL
RATHERFORD UNIT	8W14	430371599200S1	Active	14-20-603-368	SW	NE	8	418	24E	0745FSL	0575FWL
							10	140	0.45	1000501	OCCOCE!
RATHERFORD UNIT	10W43	430371640300S1	TA'd	14-20-603-4037	NE	SE	10	41S	24E	1980FSL	0550FEL
DATUEDEODD UNIT	20.42	430371533701S1	Active	14-20-603-407	sw	NW	29	415	24E	2870FNL	1422FWL
RATHERFORD UNIT		43037153370151	Active	14-20-603-407	sw	NE	29		24E	0694FNL	0685FWL
RATHERFORD UNIT	29-32	43037164320081	Active	14-20-603-407	NE	NW	29			0667FNL	2122FWL
RATHERFORD UNIT	29W21	43037164320051	Active	14-20-603-407	NE	NE	29		_	0557FNL	0591FEL
RATHERFORD UNIT		430371643300S1	Shut-in	14-20-603-407	NE	SE	29	41S	24E	1980FSL	0660FEL
RATHERFORD UNIT			Shut-in	14-20-603-407	NE	NE	30	418	24E	0660FNL	0660FEL
RATHERFORD UNIT	30W41	430371534300S1	Jonus-III	14-20-003-407	INC	111	30	7.0		55001 IVE	55001 EE
RATHERFORD UNIT	28-12	430371533601S1	Active	14-20-603-409	sw	SE	28	41\$	24E	2121FNL	0623FWL
RATHERFORD UNIT	28W21	430371643100S1	Shut-in	14-20-603-409	NE	NW	28	41S	24E	0660FNL	2022FWL
TO THE THE OTTE ONLY		1	-								
RATHERFORD UNIT	9W23	430371639800S1	Active	14-20-603-5046	NW	SE	9	41S	24E	1980FSL	1980FWL